



# Suveen Kumar Vundavalli

Software Developer | Full Stack Developer

An innovative and a committed graduate with passion to have a growth oriented and challenging career in domain of Software Development to tone my experience and to utilize my programming skills through continuous learning and exploring new technologies.

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## Work Experience

### Backend Developer

Sinch AB  
07/2018 - Present

Topic: CPaaS Provider

- My role involves working with technologies like **Java**, **Spring Boot**, **GraphQL**, **gRPC**.
- I took lead role in the development of the **SSO** solution and **Cloud Gateway**, part of the team that build the **Managed Service Infrastructure**.
- Built pipelines for **CI/CD**.



Malmö, Sweden

### Full Stack Developer

One Planet Rating  
01/2017 – 07/2018

Topic: Sustainable Tourism

- My role involves working with front end technologies like **HTML**, **CSS**, **JavaScript**, **jQuery**, **Bootstrap**.
- I was also involved in the development of backend in **Python** with **Django** framework. Tools such as **Slack** and **Git** are also used.



Stockholm, Sweden

### Web Developer

Softhouse AB  
07/2016 – 11/2016

Topic: Online Exams

- The project to create and give web-based multiple-choice questions exams. Role based accesses.
- I was involved in development of frontend in **HTML**, **CSS**, **JS**, **Jquery**, **Bootstrap** and **AngularJS**.



Karlskrona, Sweden

## Education

### Master of Science

Blekinge Institute of Technology  
01/2015 – 12/2016

Specialization: Applied Signal Processing

- Digital Signal Processing, Adaptive Signal Processing, Digital Transmission and Radio Communication, Sound and Vibration Analysis, Multi-Dimensional Signal Processing, Neural Networks, Applied Adaptive Signal Processing, Research Methodology



Karlskrona, Sweden

### Bachelor of Technology

JNTUCEK  
06/2011 – 12/2014

Specialization: Electronics & Communication

- C, Signals and Systems, Electronic Devices and Circuits, Network Analysis, Electronic Circuit Analysis, Electromagnetic Waves and Transmission Lines, Analog Communications, Digital Communications, Linear & Digital IC Applications, Microprocessors and Microcontrollers, Computer Networks, Digital Signal Processing, Cellular & Mobile Communications.



Kakinada, India

## Training

### Full Stack Developer Java & AI

TalentSprint  
10/2017 – 12/2017

Topic: Full Stack Java

- The training includes frontend technologies including **HTML**, **CSS**, **JavaScript**, **jQuery**, **Bootstrap** and **AngularJS**.
- Backend Technologies including **Java** with **Spring MVC**, **ORM** and **SQL** dealing with databases including **H2**, **MySQL**
- Introductory concepts on **AI & ML** like **KNN** and **SVM** in **Python**.



Hyderabad, India

### Workforce Development

Oracle Certified  
03/2016 – 06/2016

Topic: Java Programming

- I have completed the **Programming in Java** as part of Oracle's workforce development program.
- The concepts in this program includes **OOPS**, **Exception Handling**, **Collections**, **Multi-Threading**.



Kakinada, India

### OOP using C++

NIIT Talent Development Corp.  
03/2016 – 05/2016

Topic: Object Oriented Programming

- I have completed the **Object Oriented Programming** using **C++** which is equivalent to a 8 credit course in US.
- I was involved in learning Object Oriented Programming concepts like **Abstraction**, **Encapsulation**, **Inheritance** and **Polymorphism**.



Kakinada, India

## Internships

### Telecommunication Networking

Rashtriya Ispath Nigam  
05/2014 – 07/2014

Role: Testing and Troubleshooting

- During the internship, I was trained on Telecommunications **troubleshooting**, **telecommunication systems**, **usability testing**, **subscriber to subscriber testing**. Training also includes **reporting** identified **bugs** to project lead.



Visakhapatnam, India

### Programming Designer

NSRC / ISRO  
02/2014 – 05/2014

Role: Client Server Communication

- **Socketio** is used for establishing communication between client and server over **TCP/IP** network.
- **Pycrypto** for providing AES Encryption and the module **progressbar** for providing visual effects.



Hyderabad, India

# Hobby Projects

## Local Library

Django Web Application

12/2017 – 02/2018

Topic: *A Library Management Django Website*

- A library management website build using **Django** a **Python** Framework.
- It has role-based access mechanism that is librarian and customer. Librarian can add new books, issue new books and remind customer about new book. Customer can check if a book is available and can reserve a book.
- This project is built while **experimenting Python** framework **Django**.
- This website follows **MTV design pattern**.

## Urban Spoon

Java Web Application

10/2017 – 12/2017

Topic: *A Restaurant Rating Website*

- A restaurant rating website build using **Spring MVC**, **ORM** and **Hibernate** which makes it **database independent**.
- It has role-based access mechanism that is customer reviewing restaurant and restaurant owner managing ratings.
- This project is built while **experimenting java** frameworks like **Spring**, **Hibernate** and **Maven** which is a **software project management** and **comprehension tool** leading in the direction of **DevOps**.
- This website follows **MVC** and **DAO design patterns**.

## Collaboration WebApp

Java Web Application

05/2017 – 08/2017

Topic: *A Social Networking and Jobs Portal Restful Website*

- A social networking website build using **Spring Web MVC**, **ORM** and **Hibernate** which makes it **database independent**.
- It has role-based access mechanism that is user and admin. User can add blogs, post in forums, apply for jobs. Admin can approve or reject the blog posts, create forums, post jobs and manage job applications.
- This project is built while **experimenting java REST** frameworks like **Spring Web MVC**, **Hibernate** and **Maven**.
- **JUnit** test cases are written for every DAO operations.

## Shopping Cart

Java Web Application

02/2017 – 05/2017

Topic: *An eCommerce Java Website*

- A social networking website build using **Spring MVC**, **ORM** and **Hibernate** which makes it **database independent**.
- It has role-based access mechanism that is user and admin. Admin can add a seller, category, manage contact us and manage products. Seller can add products and manage products. User can view, buy and see the status of the products bought.
- This website is secured using **Spring Security** to satisfy the modern security needs.
- This project is built while **learning java** frameworks like **Spring Web MVC**, **Hibernate** and **Maven**.
- **JUnit** test cases are written for every DAO operations.

# Academic Projects

## Bird Chirp Annotation

Blekinge Institute of Technology

03/2016 – 12/2016

Type: *Master Thesis*

- Thesis: The goal of this study is to identify the bird species by **analysing** the bird chirps and creating 'Signature Matrices' for every bird species in time-frequency domain. The project is done in **Matlab** and ported to **Java**.
- Role: **Algorithm development**, **code development**, **inspection** of code, **run-time minimisation**, **attention to minute details to identify the patterns**.

## Vehicle Speed Limit Extraction

Blekinge Institute of Technology

01/2016 – 03/2016

Type: *Class Project*

- Class Project: As a part of **team project** (3 members), we should identify the speed of the vehicle using **Global Positioning System (GPS)** and compare it with road speed limit obtained from open street map. If the speed of the vehicle is more than the threshold set above the speed limit for more than above set number of times, the driver is alerted to lower his speed.
- Role: **Inspection** of results, identifying the errors and bugs, writing reports, identifying ways to alert driver.

## Music Instrument Identification

JNTUK

10/2014 – 12/2014

Type: *Class Project*

- Class Project: As a part of course **team project** (3 members), we should identify the music instrument using audio signal frequency analysis in **MATLAB** and **Digital Signal Processor (DSP)**.
- Role: Frequency **analysis** of data using Matlab, **designing** feature extraction method to extract a feature from audio signal files, **identifying** similarities between extracted features to design a classification method, porting Matlab code to C for DSP implementation.

# Publications

- My master thesis on Bird Chirp Annotation Using Time Frequency Domain Analysis got published under **Student Scientific Thesis** at **BTH**.
- My project on Vehicle Speed Limit Extraction got published in **BTH Journals** on **Research Methodology**.
- My bachelor thesis on Music Instrument Identification got published under **Bachelor Thesis** at **JNTU**.

# Skills & Competencies

Java, Python, SQL



HTML, CSS, JS



jQuery, Bootstrap, JUnit



Java EE, Spring, Hibernate



AngularJS, Django, Apache



Maven, Matlab, Dropwizard



PHP, Bash, ML & AI, C++, C



# Special Skills

- Platform : Windows, Mac OS, Linux, DSP, Ubuntu
- Database : Postgres, MySQL, SQLite, Oracle, ORM
- Environments : IntelliJ, Eclipse, PyCharm, STS
- Methodology : Agile (Scrum), Git, GitHub, Bit Bucket
- Special Skills : Initiator, Problem Solving, Logical Thinking
- Expertise : DB Administrator, Troubleshooting
- Productivity : Latex, MS Office, LibreOffice
- Testing Tools : Junit, Postman, Chrome Dev Tools, Console

# Languages

English, Telugu



Swedish, Hindi



# References

References will be provided upon request.