HIMANSHU GAWARI

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ACADEMIC DETAILS

Examination	University	Institute	Year	CPI / %
Post Graduation	IIT Dhanbad	IIT Dhanbad	2019	7.23
Specialization: Computer Science and Engineering				
Post Graduation Diploma	CDAC	ACTS, KP-Bangalore	2014	68
Specialization: Diploma in Advance Computing				
Graduation	University of Mumbai	RGIT, Andheri-Mumbai	2013	61.8
Specialization: Computer Science and Engineering				

Work Experience

Billsbox | *Startup Venture* | *Tech*   *[Dec'19 - Sept'20]*

- Have worked in user login and customer registration for the organization.
- Have worked on analytics side of the platform.
- Built user facing dashboard.
- Wrote RESTful API's in Spring to be consumed by frontend.
- languages & frameworks used - **React**, **Redux**, **Hooks**, **Spring Boot**, **Plotly**

Brillio Technologies Pvt Ltd | *Designation: Software Engineer*   *[Sep'14 - Aug'15]*

Project: Analytical Reporting Tool

The product provisions and deploys on client network to monitor activity on endpoints and usage statistics (user polls, incoming feedbacks, form analysis, behaviour, etc) are returned and consumed by the services and persisted in database. The score is calculated for each endpoint and displayed to the user in form of a interactive graphs and charts in a dashboard for easier consumption.

Project team size - 22 people located over 3 Places.

- Built an Maven arch-type from scratch using Spring framework.
- Wrote spring data jpa repositories for database transactions.
- Designed over 10 schema for database.
- Wrote basic user security interface using spring security.
- XML and JSON parsing for service consumer and front-end data rendering.
- *Key Technologies Used:* Spring Framework, Spring Boot, MySQL, Spring Data JPA, Spring Security, Tomcat, Maven, Apache Tiles, Shell Scripting, Git, Html, Css, Bootstrap, Javascript.

Project: Multi-Channel Test Automation Framework

In-house framework built customizing the open source tools. Testing framework that moves between interfaces, from web to mobile and vice-verse. A single test scenario across several interfaces.

- Wrote interfaces for Cucumber and Jbehave that are a framework for Behaviour Driven Development.
- Continuous Integration using Jenkins.
- Wrote code for getting output from jenkins console to user dashboard in real-time.
- *Key Technologies Used:* Spring Framework, MySQL, Hibernate, Tomcat, Maven, Git, Cucumber, Jbehave, Jenkins.

Project: Website Validator Tool

In-house tool built for website validations of various type checks like html, xhtml, Syntax, style(css), links, anchor, word count, page load time, search engine optimized,image validation,selenium tests, etc.

- Built an Maven arch-type from scratch using Spring framework.
- Wrote spring data jpa repositories for database transactions.
- Wrote code for web crawller integrating Executor and fork/join framework for concurrent execution.

- Wrote code for integrating selenium, phantomjs to take screenshots and for image manipulations.
- *Key Technologies Used:* Spring Framework, Spring Boot, MySQL, Spring Data JPA, Spring Security, Tomcat, Maven, Git, Html, Css, Bootstrap, Javascript, selenium, phantomjs.

Projects

Multi-Focus image fusion using deep learning convolution neural networks *[June'18 - May'19]*
(*M.Tech Project | Guide: Prof. Arup Kumar Pal*)
- Developed System for Image fusion.
- Worked on CNN and Deep-Learning.
- Multiple Image data fusion for high depth image.

Infrared and visible image fusion using guided filters and focus region detection *[Jan'18 - June'18]*
(*Seminar | Guide: Prof. Arup Kumar Pal*)
- Developed system for focus area detection.
- Worked on guided-filters.
- Infrared and Visible Image is fused using filters for region detection.

CNN
(*Seminar | Guide: Prof. Arup Kumar Pal*)
- *Objective:* Understanding CNN's and its performance imporvements over Neural Networks in focus/Area/Object detection.

Management system
(*CDAC-ACTS*)
- Developed a institute management system a web application.
- using Spring MVC, Maven, Hibernate, MySql and web technologies HTML/JSP, CSS, Bootstrap and JavaScript.

M.Tech. Courses

Cryptography, Information Theory, Coding Theroy, Wireless and Mobile Computing, Multimedia Systems and Security, Data Mining, Soft Computing, Machine Learning, High Performance Computer Architecture,.

Technical Skills

- **Programming & Scripting**: Javascript, Java
- **Web Library/Framework**: React, Redux, Bootstrap, SCSS, Typescript, Spring, Hibernate, Spring Boot
- **Web Technologies**: Full Stack Developer
- **Databases**: H2, MySQL, PostgreSQL
- **Others**: Docker Containers
- **Tools and IDE**: Eclipse, Visual studio code, Postman, LaTeX, Git, Github

Positions of Responsibility

- **Web Portal Developer, IIT Dhanbad** | *Prof. Arup Kumar Pal* *[July'18 - Jun'19]*
- **Institute Web Portal**
- **Teaching Assistant, IIT Dhanbad**
- **Volunteered** in organizing an International Level Conference **RAIT 2018 : 4th IEEE International Conference on Recent Advances In Information Technology**, held at **IIT Dnabad** *2018*