

SAUMYA SUCHARITA BEHERA

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Professional Summary

CS graduate with industry experience in the design, development, implementation, testing, and delivery of enterprise applications in the telecom domain. Seeking Software Engineer roles.

Technical Skills

Languages/Database: Java, Python, Javascript, HTML5, MySQL, Mongo DB

Framework & OS: Spring Boot, Django, ReactJS, Linux

Software & Tools: Camunda BPM, Spring Tool Suite, VS Code, SOAP UI, Postman, Putty, Git, SVN, JIRA, Rally

Experience

Tech Mahindra Americas Inc

04/2016 – 09/2020

Senior Software Engineer (AT&T Virtual Trouble Management)

Dallas, TX

- Engineered an integrated ticketing system for **AT&T** to expedite trouble management resulting in a **30%** reduction in ticket handling time
- Utilized Spring Boot, Camunda BPM, Apache Kafka, and Mongo DB to create a scalable ticket management solution to enhance user experience and efficiency
- Coordinated onsite and offshore team in India, setting coding standards and conducting peer code reviews to drive productive collaboration
- Managed code deployment on multiple server environments to achieve smooth releases within a Continuous Integration/Continuous Delivery setup

Tech Mahindra Limited

06/2012 – 03/2016

Software Engineer (AT&T IRU Unlock)

Pune, India

- Increased automation rate for **AT&T's** device unlocking and network transitioning project from **25%** to **80%**
- Collaborated with system engineers to outline project objectives and ensure that software designs aligned with client specifications throughout the entire software development life cycle
- Designed, built, and maintained executable workflows in ActiveVOS BPM tool
- Troubleshoot and promptly resolved issues reported by the system testing team to maintain the project deadlines
- Produced comprehensive low-level design documentation

Projects

PlanMyMeal | *Python, Django, HTML5, Bootstrap* [Git](#)

07/2023 – 08/2023

- Built a website for users to search for recipes using Spoonacular **REST API** per their nutritional requirements
- Implemented CRUD operations in Django ORM to allow users to assign saved recipes to specific dates on their calendar

Global hunger reduction (Data Analysis) | *Python, Pandas, Scikit-Learn, Statsmodels* [Git](#)

08/2023 – 12/2023

- Analysed Global Food & Agriculture Statistics(FAOSTAT) to find dominant factors affecting agricultural yield in countries having high global hunger index
- Performed **correlation analysis**, **Linear Regression** and **Random Forest** model to recommend future action plan

Interpreter and parser for a SML-like language | *Java* [Git](#)

02/2022 – 04/2022

- Used JavaCC tool to generate a pure parser for a SML-like language
- Integrated the evaluator for the expressions comprising the project language to produce a full interpreter

IoT: Smart street lighting system | *C++, Arduino IDE, Node-RED, MQTT* [Git](#)

11/2022 – 12/2022

- Collected photoresistor and infrared motion sensor data using Arduino code and published to MQTT broker
- Created Node-RED flow to listen to MQTT messages and adjust an LED when motion was detected or ambient light intensity decreased below the established threshold

Education

Villanova University, Pennsylvania

08/2021 – 12/2023

Master of Science in Computer Science

GPA: 3.8/4

Coursework: *Algorithms, Database Systems and Health Informatics, IoT, Machine Learning*

Biju Patnaik University of Technology, India

08/2007 – 06/2011

Bachelor of Technology in Information Technology

GPA: 8.14/10

Certifications & Achievements

SAFe 4 Agilist

Upsilon Pi Epsilon (UPE) honor society: Issued by Villanova UPE Chapter (Apr 2023)

Graduate Assistant at Villanova University : Provided tutoring to CS graduate students in collaboration with professors