

# SAUMYA SUCHARITA BEHERA

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## Professional Summary

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Software engineer with 8+ years of experience in design, development, implementation, test, and delivery of enterprise applications in the telecom domain. Seeking Software Engineer roles.

## Technical Skills

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

**Framework:** Spring boot, Django

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

## Experience

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### Tech Mahindra Americas Inc

Apr 2016 – Sept 2020

*Senior Software Engineer (AT&T Virtual Trouble Management)*

*Dallas, TX*

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

### Tech Mahindra Limited

June 2012 – Mar 2016

*Software Engineer (AT&T IRU Unlock)*

*Pune, India*

- Improved automation rate for **AT&T's** device unlocking and network transitioning project from **25%** to **80%**
- Collaborated with systems engineers to analyze client specifications, aligning project objectives and ensuring accurate design
- Designed, built, and maintained executable workflows in ActiveVOS BPM tool
- Troubleshoot and promptly resolved the issues reported by the system testing team, maintaining project timeline
- Produced comprehensive low-level design documentation

## Projects

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

July 2023 – Present

- Built a website where users can search for recipes using Spoonacular **REST API** per their nutritional requirements.
- Implemented CRUD operations in **Django ORM** to save recipes with a date on the calendar

### Agriculture data analysis | *Python, Pandas, Seaborn, Scikit-Learn* [Git](#)

Aug 2023 – Present

- Determined top agricultural nations using **Linear Regression**.
- Performed Multivariate regression to find a correlation between agricultural production of different countries

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

Feb – Apr 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](#)

Nov – Dec 2022

- Collected Photoresistor and infrared motion sensor data using Arduino code and published to MQTT broker
- Node-red flow listened to MQTT messages and controlled the LED if ambient light intensity decreased below threshold or motion was detected.

## Education

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### Villanova University, Pennsylvania

2021 – 2023

*Master of Science in Computer Science*

*GPA: 3.89/4*

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

### Biju Patnaik University of Technology, India

2007 – 2011

*Bachelors of Technology in Information Technology*

*GPA: 8.14/10*

## Certifications & Achievements

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### SAFe 4 Agilist

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

**Graduate Assistant at Villanova University :** Tutor CS grad students