# Saumya Sucharita Behera

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## Professional Summary

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

**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

**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** 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**                                                        June 2012 – Mar 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
- Troubleshot 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*                          July 2023 – Present
- 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

**Agriculture data analysis** | *Python, Pandas, Seaborn, Scikit-Learn Git*      Aug 2023 – Present
- Analysed Global Food & Agriculture Statistics to predict future trend in Gross Production using **Linear Regression**
- Performed **Multivariate Regression** to find a correlation between the 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
- 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**                                           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

**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