

RASHMI PHATAK

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OBJECTIVE

To work in an organization that has a great learning culture in the latest software technologies. I see myself leading a team of developers in the next five years.

EDUCATION

Purdue University, West Lafayette

Summer 2023

Master's of Science, Computer Science

- Relevant courses: Algorithm Design, Analysis, And Implementation, Information Security, Database Systems

Maharashtra Institute of Technology, Pune

Rank: 6/180

Bachelor's of Engineering, Computer Engineering

GPA: 9.42/10

- Conducted a session for undergraduate students on the subject of "Introduction to Java Programming."
- As a member of the MIT Computer Users' Group, I led sessions on "Basic Linux Concepts" for students from various colleges.

Sir Parashurambhau College, Pune

Rank: 1/1000

Higher Secondary Certificate Examination

Score: 92.42%

PROFESSIONAL EXPERIENCE

BMC Software: Product Developer, Graduate Intern

June, 2020-July, 2021

- Worked with the R&D team for the BMC's Infrastructure Management tool - Truesight Operations Management.
- Developed a tool to detect the failure of monitoring servers which will help in **expediting the downtime resolution** for various customers. Implemented EKS, Kinesis Video Stream Monitoring solutions which fetched data from AWS Cloudwatch.
- Conceptualised, developed and led a team for developing an IOT monitoring solution using MQTT and Node-RED for the **BMC Quarterly Hackathon**.
- My primary roles included resolving customer escalations, fixing defects and adding new features to the product.

BMC Software: Project Intern

September, 2019-May, 2020

- Implemented my final year project, "**Parcel Management System**", working at BMC Software
- Developed a web application for both the security guard and the employee for management of e-commerce parcels coming into office premises. **Java** and **Spring Boot** was used at the backend while **Angular JS** and BMC Adapt were used at the frontend.
- Developed a mobile application using the Ionic Framework with features like calling, viewing history, and current parcels. This project helped in **reducing the time** spent by employees in the collection of e-commerce parcels.

PROJECTS

Simulator KM

- Developed a solution that will help in simulating remote monitoring environments to create a mock infrastructure monitoring server.
- The solution is a generic monitoring simulator solution. The project used Java, Javax for fetching and simulating the data. PSL was used for representation purposes.
- This project will be used by the QA team for **PSR testing** and by the PreSales team for system demos to customers which will help in **increasing customer understanding** of the product.

BookStat

- Developed a mobile application for buying and selling used reference books online within the college. This app will help students buy reference books and other college accessories at an affordable price
- The app was an Android-based mobile application that used Java as a backend and Firebase as a database and authentication purposes.
- The app had various features like one-to-one chatting, camera capture-upload and calling options.

SKILLS

Languages: Java, C++, Python, PSL(PATROL Scripting Language), HTML, CSS

Databases: IBM DB2, SQL, PostgreSQL

Cloud/ Frameworks: Amazon Web Services(AWS), Android, JIRA, GIT

PUBLICATION & TRAINING

Recommendation Systems in eLearning

IEEE Punecon 2019

DOI: [10.1109/PuneCon46936.2019.9105685](https://doi.org/10.1109/PuneCon46936.2019.9105685)

- I worked as a **research assistant** with Prof. Pradnya Kulkarni during my undergraduate degree
- The paper discusses the various implementations of Recommender Systems in eLearning using Deep Learning and Data Mining and discusses various techniques like Apriori Algorithm, K-means, Multilayer Perceptron.

ACM Summer School, IIIT Bangalore

June, 2019

- The training was organized by ACM and Microsoft and focused on the theoretical aspects of ML.
- I was selected among 50 students to attend from all over India.