

SHRADDHA SHARMA

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EMPLOYMENT OBJECTIVE

- Result-oriented professional software engineer with about 5 years of experience in the area of software development for mobiles.
- Performed predictive analytics on medium-large datasets. Actively seeking internship & full-time opportunities.

EDUCATION

Georgia State University

Master of Science in Computer Science

Atlanta, GA

Aug 2021 - Aug 2023

Medi-Caps Institute of Science & Technology (RGPV Affiliated)

Bachelor of Engineering in Computer Science

Indore, India

Jul 2011 - Jun 2015

TECHNICAL SKILLS

Languages: Swift, Python, Objective C, Dart (Flutter), Basics of Java

Analytical Skills: Machine Learning (Linear Regression, Logistic Regression, Decision Trees, Random Forests, Naïve Bayes, K-Means, Clustering), Time-series Models, Support Vector Machine.

IDE: X Code, VS Code, Jupyter Notebook, Eclipse, MS-Excel.

Data Science Libraries: NumPy, Pandas, Scikit-Learn, Seaborn, Matplotlib

Database: Core Data, SQLite3, MySQL

Tools: Git, Tomcat, Bitbucket, Source Tree, Rally.

PROFESSIONAL EXPERIENCE

YASH TECHNOLOGIES PRIVATE LIMITED, India

Nov 2015 - Aug 2020

Software Engineer – DIT Mobile (Client - John Deere)

- Transited the existing Microsoft handheld devices functionality to mobile app which reduced the overall cost by **80%**.
- Integrated Zebra framework & implemented **Cellular/Wi-Fi** printing functionality, resulted in minimizing manual efforts.
- Enhanced the security by integrated **OKTA** for securely login and single sign on.
- Performed **Test Driven Development** approach and reduced the testing efforts by **50%**.
- Integrated **Barcode scanning** via Bluetooth scanner/mobile device camera for scanning barcode labels.
- Deployed application through **Apple distribution** process, [App Store Link](#)

Software Engineer / Data Analyst – Resource Management System (Internal)

- Analyzed, solutioned and maintained datasets of 4000 employees which fastened the process by **40%**.
- Analyzed the employee data to enhance the mapping of employee on projects by **7%** using predictive modelling.
- Created effective visualizations and identified useful patterns in the data to optimize productivity by **20%**.
- Implemented Statistical methods to develop employee allocation models. The recommendation and insights were able to successfully lower the parking time of an employee from 20.2% in the Q1 of 2017 to **11.2%** in Q1 2018.
- Received **Appreciation** from client for providing efficient solutions to the exiting project to increase the efficiency.

Software Engineer – Connected Factory (Internal)

- Integrated **charts** to analyze and visualize the statistics data of the factories which improved analysis by 30%.
- Added **Core-location** framework for geotagging which made managing various factories in the world easy.
- Executed **Audio-Video Foundation** framework for recording and saving audio as per client's requirement.
- Implemented **Azure push notifications** for notifying the users about important events and information.

ACADEMIC PROJECTS

Solar Flare Prediction (Python, ML, NumPy, Pandas, Matplotlib, seaborn)

- Performed Exploratory Data Analysis on 30126 instances of multivariate time series data, each instance has 60 time stamps (3D array)
- Conducted 3 approaches: Scikit-Learn classifier (TS Fresh), Column Concatenation & Random Time Series Classifier.
- Analyzed the results on the basis of Recall, False Alarm Rate, Gilbert Skill Score, Heidke Skill Score and True Skill Statistical.

Point of Sale- Flutter Mobile project

- Integrated **Firestore** Authentication and Firestore Database for the security and scalability of the application.
- Incorporated Stripe API for secure and cloud based easy payment.

Achievements

- Received '**Best Team**' award for two consecutive years 2018, 2019 for being the best team in CMM 5 level audits by the employer.
- Received '**Pat on the Back**' and **CSR award** for active participation and outstanding performance at Yash Technologies.