Suraj Devatha

www.surajdevatha.com

(919)-501-1933 | sdevath@ncsu.edu

linkedin.com/in/surajdm

github.com/surajdm123

EDUCATION

Master of Computer Science   August 2021 - December 2022 (expected)

North Carolina State University, Raleigh, NC   CGPA - 4.0/4.0

Courses: Algorithms, Software Engineering, DevOps, Database Management Systems, Networking, Data Privacy

Bachelor of Engineering in Computer Science and Engineering   August 2015 - June 2019

Visvesvaraya Technological University, India   CGPA - 8.76/10.0

Courses: Data Structures, Operating Systems, Cloud Computing, UNIX & Shell Programming, Cryptography

SKILLS

Languages :	Java, Python, C, C++, C#, Javascript, SQL
Databases :	MySQL, OracleDB, SQLite, MongoDB, Elastic Search, Amazon RDS, NoSQL
Web Technologies :	React, NodeJS, Spring Boot, Flask, HTML, CSS, jQuery, Boostrap, PHP, Hack
Other Tools :	ELK Stack, Jenkins, Git, Android Studio, Docker, JUnit Testing, Linux, Maven, Gradle

EXPERIENCE

Software Engineer Intern, Meta (Formerly Facebook)   May 2022 - Present

- **Impacted 45,000+ advertisers** by designing and developing a banner in the Facebook Ads Events Manager portal to increase the adaption of Conversions API, using React and Hack.
- **Improved customer experience for 1,000+ businesses** by implementing an email notification channel to troubleshoot issues with Meta Pixel and Conversions API Gateway.
- **Built 10+ dashboards** to monitor advertiser's engagements and impressions on platform feature announcements.
- Participated in a Meta Hackathon and designed a culturally driven Avatar Store in the Metaverse that would **increase user engagement by 10%**.

Graduate Teaching Assistant, North Carolina State University   August 2021 - May 2022

- **Mentoring 60+ students** to understand concepts in C#, data structures, database management systems and GUI design.

Senior Software Development Engineer, Perfios Software Solutions Pvt. Ltd.   July 2019 - July 2021

- Developed a centralized MIS reporting engine using Spring Boot to automatically generate and deliver product usage reports to the clients and hosted the application in Amazon EC2 Instance.
- **Reduced manual efforts by 60%** for the Support team by automating the process of sending alerts to the clients.
- Optimized algorithms to **reduce the computation time and lines of code by 80%**, using Java libraries like Google Guava and Apache Commons.
- **Improved code coverage by 40%** and ensured continuous operation of **test systems and build** by configuring CI/CD pipeline with Jenkins.
- Automated a **data pipeline**, using python and shell scripts, to push **500,000+ records** from MySQL to Elastic Search.

PROJECTS

CI/CD Pipeline | Devops ([Code](#))

- Implemented a pipeline using NodeJS which enables user's automatically build, test, and deploy applications from a host machine to a cloud instance.
- Tech: NodeJS, JavaScript, Digital Ocean, Shell, Ansible, Python 3

Feature Hunt | React ([Code](#))

- A feature collection platform where users can share/vote/discuss feature requests. This application was built for the course Software Engineering (CSC-530) and helped developers collect features for 10+ projects.
- Tech: React, JavaScript, Python 3, Flask, MongoDB, HTML, CSS

WolfTrack - Job Application Tracker | Flask Web Application ([Code](#))

- Designed a stand-alone web application to help users organize, track, and get reminders of job applications.
- Tech: Flask framework, Python 3, HTML, Bootstrap, CSS, jQuery, Amazon RDS

Personalization Cards | Android App Development ([Live](#))

- Developed and published an android application that helps users personalize mobile home screens. The app has over **1000+ downloads on the Play Store**.
- Tech: Java, XML, SQLite, Gradle

PUBLICATIONS

- "Obstacle Detection for the Visually Impaired Using Arduino", International Conference on Trends in Electronics and Informatics (ICOEI), 2019 (Publication: **IEEE Xplore**). ([Link](#))
- "Survey on Sentiment Analysis", International Journal Of Engineering Research and Technology (**IJERT**), Volume 08, Issue 04, April 2019.([Link](#))
- "Conversational Assistant based on Sentiment Analysis", Internation Research Journal of Engineering and Technology (**IRJET**), Volume 06. Issue 09, September 2019.([Link](#))

ACHIEVEMENTS & AWARDS

- Received an **Award of Excellence** for integrating reporting engines from different servers into 'Report Scheduler' as per the timeline published to end customers at Perfios.
- Received the **'Most Innovative Project'** award and multiple other **Academic Awards** at BNM Institute of Technology.