Snigdha Reddy Pulim

(508) 452-9273 | snigdhap@bu.edu | LinkedIn | GitHub

EDUCATION

Boston University   Boston, MA
Master of Science in Computer Science, CGPA: 3.50   *Jan 2024*
- Focused on Object-Oriented Design, Mobile App Development, Machine Learning, and Data Science

SRM University   Chennai, India
Bachelor of Technology in Computer Science   *May 2019*
- Strong foundation in Algorithms, Data Structures, Database Management and Software Engineering

EXPERIENCE

Software Developer Intern   Feb 2024 – Apr 2024
Dream Venture Labs   *Boston, MA*
- Developed cross-platform mobile applications with React Native, boosting user experience for key projects at the startup accelerator, leading to a 23% increase in user retention
- Designed and launched dynamic web applications with ReactJS, ensuring responsive and user-friendly interfaces, which improved user interaction by 36%
- Created RESTful APIs using Django for data interaction between the front-end and database, optimizing data handling efficiency and cutting service response times by 27%

Full Stack Developer   Jan 2022 – Aug 2022
Janaspandana Software Solutions   *Hyderabad, India*
- Spearheaded development of diverse web projects (theme park booking, in-restaurant ordering for Drunken Monkey, diagnostic test booking) using ReactJS, TypeScript, and Magento2 for front-end development
- Integrated GraphQL & SQL for efficient data management and scalability augmenting website traffic by 38%
- Optimized booking and ordering processes, enhancing customer satisfaction and reducing bounce rates by 14%
- Implemented custom logo components and improved website aesthetics, leveraging CSS and Material UI to strengthen brand identity and visual appeal

Software Developer Intern   Jan 2020 – Jun 2020
Xelpmoc Design and Tech   *Bangalore, India*
- Programmed an e-commerce website leveraging Next.js, RestAPIs, and Bootstrap, enhancing user experience and interface responsiveness
- Led, designed, and built an intranet website for employee communication to streamline internal processes

PROJECTS

Finding the Right Primary Care Physician | *Civic Tech Hackathon*   Feb 2024
- Built a sophisticated platform to match patients with primary care physicians using **collaborative filtering**
- Implemented location-based search and personalized onboarding using **React, Node.js, FastAPI & Tensorflow**

BoT: Mobile App for MBTA Commuters | *Mobile App Dev, BU*   Jan 2023 – May 2023
- Developed an Android app using Kotlin and Node.js, integrating real-time MBTA transit data and using WebSocket for live updates, enhancing navigation and boosting user efficiency by 30%
- Implemented OAuth with Google for secure authentication and synced with Google Calendar to offer personalized commuting recommendations, increasing app engagement by 50%

Boston City Council - Gun Violence Analysis | *Data Science, BU*   Jan 2023 – May 2023
- Conducted gun violence analysis using Apache Spark for data processing and Node.js for the dashboard
- Applied machine learning using Python, tensorFlow, scikit-learn to predict high-risk areas, aiding policy decisions

Wearable Keyboard and Mouse | *Accessibility Tech, SRM*   Jun 2020 – Jan 2021
- Engineered a wearable device using Arduino and flex sensors, developing embedded software (C++) and a companion app (Java) to enhance accessibility for visually impaired users; published research on its impact

TECHNICAL SKILLS

Languages/Frameworks: JavaScript, Java, SQL, Python, ReactJS, NodeJS, Django, C++, C, C#, CSS
Databases/Tools: PostgreSQL, MongoDB, Redis, MySQL, Docker, AWS, GCP, Vercel, Microsoft Office
Skills: RESTful API Development, Agile Practices, Data Analytics, Machine Learning