

PRANAV KULKARNI

Boston, MA

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Education

Northeastern University | Ms in Computer Software Engineering (Information Systems), May24 Boston, MA
Courses: Application Engineering and Design, User Experience Design and Testing, Web Design, Data Science GPA- 3.50
SRM Institute Of Science and Technology | B.Tech in Computer Science Chennai, India
Courses: Object-Oriented Programming, Network & Cloud Computing, Data Structures & Data warehousing GPA - 3.7

Technical Skills

Languages: Python, Java, HTML, CSS, JavaScript, Typescript, jQuery, Ajax, SQL, C, C++.
Developer Tools: MVC, Linux, Git, Docker, Kubernetes, GCP, AWS, VS Code
Web Frameworks: Node.js, Flutter, Vue.js, React.js, Flask(python), SonarQube, Angular.js
Libraries: Numpy, Pandas, Matplotlib, PyTorch, spaCy, Cv2

Professional Experience

Fiserv Inc June' 21 - June' 22
Technology Analyst-I Pune, India

- Developed a new feature for a Customer onboarding tool called "Implementation console" for various Fintech Using **Java, Spring Framework, and Hibernate**. Increased the overall efficiency of the application by
- Designed and implemented RESTful web services using **Java and Spring Boot**. Worked on front-end development using **HTML, CSS, JavaScript, and React**, ensuring seamless integration with the back end. Successfully established interaction of **MainFrame DataBase(HP Tandem) with Application Database** to enhance data flow.
- Implemented automated testing using **JUnit, Mockito, and Selenium**, ensuring code quality and reducing the risk of bugs and errors. Used DevOps tools such as **Jenkins, Git, and Docker** to build, test, and deploy applications in a continuous integration and delivery environment.
- Maintained and updated **legacy code**, refactoring and optimizing as needed to improve performance and maintainability. Demonstrated strong **problem-solving skills**, identifying and resolving technical issues quickly and efficiently.

Academic Projects

Credit Card Management System | *MERN Stack* Sep' 20 – Nov' 20

- * Technologies used: **React, Redux, React-Bootstrap, NodeJs, Express, MySQL**.
- * Developed a Credit Card Management system (web application) that can handle the entire life cycle of a customer's credit card.
- * Analyzed current credit card systems and added the feature of verifying credit card(s), **fetching credit card statements to generate a summary and extract insights**, and making payments for card
- * Built an **ergonomic UI** for a better user Experience, increased user retention .

Disease Prediction Using Machine Learning | *Python, numpy, sklearn , pandas* Mar' 21 – Jun' 21

- * Developed and implemented a machine learning algorithm to detect early signs of common diseases using a dataset obtained from local medical institutions .
- * Used **Speech Recognition Module** to convert Speech to Text to extract keywords used in prediction
- * Worked closely with clinicians to develop an easy-to-use disease detection tool that integrates seamlessly into existing electronic medical record systems.
- * Published research findings in **IJIRT** demonstrating the efficacy of our machine learning approach in detecting diseases in real-world clinical settings.

Smart-City Manager app | *Java, NetBeans, db4o* Nov' 22 – Dec' 22

- * Modeled a Java application to manage resources of a smart city. **Constituted 5 enterprises** including Medical care, Housing, Education, Job portal, and Rehabilitation facilities
- * Designated requests to be handled by respective enterprise admins. Constructed a database connection with the app to store user data in the **backend using 'db4o'**
- * Used **Google Maps API** to enable location services for citizens

Certifications

Azure AZ-900

- * Proficient in the fundamentals of **Microsoft Azure, including its services, pricing, and deployment models**. Demonstrated ability to create and manage Azure resources, such as virtual machines, storage accounts, and network resources.
- * Experience with Azure security and compliance features, such as Azure Active Directory, Azure Security Center, and Azure Policy.