Amlan Roy

WORK EXPERIENCE

Software Engineer   **Pune, India(Remote)**
Raja Software Labs (Linkedin Contractor)   *December 2021- Present*
- Enhanced user experience and functionality of the flagship client-side application that serves millions of daily users, as measured by a 20% increase in client satisfaction, by designing and implementing complex UI components and features using EmberJS and Glimmer components.
- Improved scalability, security, and performance of the server-side applications, by developing and testing code using Play Framework and integrating it with the client-side application.
- Increased collaboration and efficiency of the cross-functional teams across different time zones, as measured by a 40% increase in productivity and quality, by using agile methodologies and tools such as Jira and Git.

Software Development Intern   **Pune, India(Remote)**
Raja Software Labs (Linkedin Contractor)   *December 2021- May 2022*
- Contributed to the web development project as the sole intern in a dynamic team for the world's largest professional network platform, as measured by positive feedback from the clients and stakeholders, by participating in all stages of the software development lifecycle.
- Optimized user interface, accessibility, and performance of the flagship web application by debugging and optimizing code using best practices.
- Expanded technical skills and knowledge of the web development technologies and frameworks, by learning and applying new technologies and frameworks such as EmberJs, TypeScript, GraphQL, etc. to the project.

NOTABLE PROJECTS

[Code Korbo: A Platform for Practicing Programming](#) | *Next.js, React.js, Typescript, Judge0*
- Developed a web app called Code Korbo that enables users to practice coding online in various programming languages, using Next.js 13, TypeScript, Tailwind CSS, MUI components, and Firebase.
- Integrated Judge0 as the code execution engine to evaluate the user's code and display the results in the console, along with features to like, dislike, and favorite the questions.
- Implemented authentication functionality using Firebase, allowing users to sign in, sign up, and reset their password securely.

[Fit Mitra- Virtual Fitness Trainer](#)(Final Year Project) | *Android, Kotlin, MLKit*
- Developed an Android app that enables users to monitor and improve their exercise performance at home using AI models
- The app analyzes the user's posture and movement via camera input and provides real-time feedback and guidance
- Applied Kotlin, MVVM, Jetpack libraries and design patterns for code quality and maintainability; integrated various APIs for camera handling, AI inference, database, authentication and skeleton drawing

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Kotlin, C++, Python

Web Technologies and Frameworks : HTML, CSS, Ember JS, React JS, Node JS, QUnit

Mobile Technologies / Frameworks : Android, React Native
Version Control: Git

EDUCATION

Year	Degree	Institute	CGPA/ %
2018-2022	BE (Information Technology)	D.Y Patil College of Engineering, Pune	9.39/10
2016-2018	Senior Secondary: Maharashtra State Board	Dinanath High School and Junior College, Nagpur	76.77%
2015-2016	Secondary: CBSE	Sri Guru Harkrishan Public School, Nagpur	10/10

OTHER EXPERIENCES

- Qualified among top 200 teams across India in Covid Samadhan competition organized Govt of India.
- Worked as a Social Media Manager for TEDxDYPCOE 2019
- 5 star(C++, SQL) in Hacker Rank