Rahul Nimbalkar

Graduate student

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🎓 EDUCATION

State University Of New York at Buffalo,   Aug 2022 – Feb 2023
Master of Science in Computer Science ✎
Coursework-Algorithms and Data Structures, Blockchain Technology, computer vision, Machine learning, Software security, Deep learning, Data Mining

Basaveshwar Engineering College, India,   Aug 2016 – Jun 2020
Bachelor of Engineering Electrical and Electronics Engineering ✎
Coursework-Network Analysis, Analog and digital Electronics, C++, Signals and systems, Microcontrollers, Semiconductors

🧩 SKILLS

Languages: (Python, Kotlin, R, JavaScript, TypeScript, Scala, Swift, XML, XHTML, CSS, SQL, Solidity, C, C++)

Core Competencies: (Debugging, SDLC, Agile Working, Object Oriented Design, Quality Assurance, Full Stack)

Tools: (Android SDK, Pytorch, Tensorflow, RESTful API, ReactJs, Node.js, NLTK, OpenCV, D3.js, Firebase SDK.)

interests: (Artificial Intelligence and Machine Learning, Blockchain, Computer Security, Web Development)

💼 PROFESSIONAL EXPERIENCE

Protonn, Software Engineer ✎   Feb 2021 – Feb 2022
- Spearheaded the design, development, and maintenance of three innovative Android applications, utilizing cutting-edge technologies such as Jetpack Compose, Kotlin, and Android Architecture Components, to enhance UI/UX experiences and garner a user base of over 50,000 within six months.
- Executed rigorous performance tuning and optimization of core app frameworks, achieving a 15% enhancement in app load times, reducing crashes by 20%, and elevating overall user satisfaction and engagement.
- Initiated and conducted regular code reviews, leading to a 25% reduction in post-release bugs and fostering a collaborative and growth-oriented development environment.

Shantala Pvt Ltd India, Technical Intern   May 2019 – Aug 2019
- Engaged in the development, implementation, and testing of bespoke software solutions optimized for transformer manufacturing processes, resulting in a 20% increase in operational efficiency and integration speed.
- Collaborated with various departments to understand the integration needs of software systems with mechanical components, gaining a comprehensive insight into interdisciplinary integration requirements.
- Received immersive training in industrial software development methodologies, including Agile and Waterfall, enhancing my adaptability and understanding of software development in varied environments.

📁 PROJECTS

Blockchain-based Decentralized Relief Funds Distribution--, Solidity, Web3, Node.js, HTML, CSS ✎
- Crafted the development of a transparent Web3 decentralized app, leveraging Solidity and Node.js to implement ERC20 tokenization, enhancing donor participation and trust by 30%.
- Formulated groundbreaking smart contracts and drove cross-functional collaboration, gaining accolades from non-profit organizations seeking transparent, real-time fund management solutions.

Real-Time Smart Traffic Management System--, React, AWS, Mapbox, MongoDB
- Engineered and orchestrated the deployment of an advanced Intelligent Traffic Optimization System on AWS, integrating IoT sensors, resulting in a strategic 25% decline in peak-hour congestion.
- United with data analysts and cloud specialists to catalyze real-time data analytics and decisive problem-solving, refining urban traffic flow and addressing pivotal congestion concerns efficiently.

Deep Learning Facial Sentiment Analysis System--, Tensorflow, Google cloud, OpenCV
- Engineered a real-time emotion recognition system powered by TensorFlow, OpenCV, and React. Leveraged deep learning, cloud deployment, and user-friendly web interfaces for accurate emotion analysis from facial expressions.