





SHIVANI ANIL NEHARKAR

Graduate student with 1+ years of experience seeking opportunities in Web Development, Fullstack, Data Science, and Mobile Application Development.

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EDUCATION

Syracuse University, Syracuse, NY

August 2022 - May 2024

Master of Science, Major in Computer Science

Savitribai Phule Pune University, Pune, INDIA

August 2017 - May 2021

Bachelor of Engineering, Computer Science | GPA: 8.52

TECHNICAL SKILLS

Programming Languages: Java, C++, Python, JavaScript, HTML5, CSS3, Solidity, Haskell, Kotlin, C, TypeScript

Database Technologies: MySQL, MongoDB Atlas, PostgreSQL, SQLite, Firestore, Firebase Realtime Database

Frameworks: ReactJS, Express.js, Spring Boot, Django, React Native, Angular, Flutter

Tools and Libraries: Visual Studio Code, IntelliJ, Eclipse, Git, TensorFlow, PyTorch, Keras, scikit-learn, Pandas

Cloud, DevOps: AWS (Basics), AWS Architectures and Services, Docker, Ansible, Jenkins, GitLab CI/CD, Kubernetes

EXPERIENCE

Research Assistant | Syracuse University

August 2023 - December 2023

- Leading AR/VR projects with Professor Daniel Pacheco, utilising React and A-Frame to enable user-uploadable pictures for immersive 360-degree viewing experiences.
- Overseeing Media Maker Hours in the Innovation Lab, supporting and guiding 25-60 students in their creative endeavours.

Teaching Assistant | Syracuse University

May 2023 - July 2023

- Assisted Professor Daniel Pacheco in teaching a class of 13 students, covering topics such as React.js, JavaScript features, DOM manipulation, ES6, and fundamental programming concepts like scopes, hoisting, and event bubbling.
- Mentored students through practical exercises to build a solid foundation in web development, having both front-end technologies and backend integration.

Assistant System Engineer Trainee | Tata Consultancy Services | Pune, India

Aug 2021 - June 2022

- Conducted UI Verification via PowerBI and managed email notification testing, including log file analysis for timely alerts.
- Employed Infrastructure as Code (IaC) principles and Continuous Integration/Continuous Deployment (CI/CD) pipelines to optimise queries, leveraging Ansible for automation and Docker for containerization.
- Managed automated regression testing for 50+ applications within a DevOps framework, ensuring seamless software updates through automated deployment pipelines facilitated by Jenkins.

Software Intern | Pixafliip Technologies Pvt. Ltd. | Pune, India

Dec 2019 - Jan 2020

- Followed a logic-driven approach to design intuitive, accessible web interfaces serving 10K weekly visitors.
- Accomplished development of Acadflip.in using Javascript, React JS, HTML5, REST API Architecture and implemented comment box feature below video lecture window to post reviews, added timestamp for comments.

TECHNICAL PROJECTS

WanderLunch: MERN based project to share Culinary Journeys [\[Demo\]](#)

Current

- Crafted a MERN stack project which enables users to have their own accounts by authentication and add food places.
- Implemented React Hooks, Redux (State Management) and data retrieval using Google APIs for location, NodeJs and Express for request handling.
- Seamlessly integrated React and MongoDB-backend using RESTful APIs.

OptiLens: Android based application to shop Eyewear [\[Code\]](#)

December 2023

- Crafted an application to shop Eyewear, utilising Android Gradle Plugin, and Git for version control, with a strong emphasis on responsive design, RESTful APIs, and leveraged Firebase by storing user app data (EHRs) using Authentication, Storage..
- Demonstrated expertise in advanced app development by seamlessly implementing location-based features with Google Maps APIs, sophisticated animations, and integrating secure payment functionalities through Braintree Payments.

Reddit WallStreetBets Sentiment Analysis [\[Github\]](#)

November 2023

- Leveraged natural language processing techniques to analyse sentiment and explore risk tolerance within WallStreetBets posts.
- Implemented sentiment lexicons and deep learning models, including Vader, GloVe embeddings, and LSTM, to decode intricate sentiments in the online discourse.
- Applied sentiment polarity analysis using Python, NLTK's SentimentIntensityAnalyzer, optimised models with Pandas, and employed Matplotlib and Seaborn for comprehensive sentiment characterization through data visualisation.

LEADERSHIP AND ACHIEVEMENTS

- Delivered lectures for 60 Codigo Madrid Members (Student Coding Club), 130 freshman and sophomores.
- Best Undergraduate Final Year Project: Lead team of 4 and won amongst 17 groups.
- Technical Excellence Award: Optimised AISSMS College' portal and handled high-volume traffic by addressing few performance bottlenecks.
- Research Paper: Published paper in IRJET publications Volume 7, Issue 12.