SHIVANI CHAVAN

Jersey City, NJ 07306 | (551) 554-7035 | Shivani.chavan@pace.edu | GitHub | LinkedIn

EDUCATION

Pace University, Seidenberg School of Computer Science and Information Systems — **New York, NY**
Master of Science (MS) in Computer Science | **Concentration:** Software Engineering | **GPA:** 3.83 — December 2023

Savitribai Phule University, AISSMS College of Engineering — **Pune, India**
Bachelor of Computer Engineering (B.Eng.) | **Concentration:** Computer Science| **GPA:** 8/10 — June 2020

RELEVANT COURSEWORK

Algorithm & Computing Theory | Deep Learning | Python Programming | Parallel & Distributed Computing | Mobile Web Content & Development | Project Management | Computer Systems & Concepts | Data Mining |

TECHNICAL SKILLS

Programming Languages: Java, Python, HTML, CSS, JavaScript, C++, C **| Methodologies:** Agile, Waterfall
Database Management: SQL, MySQL, Mongo DB, Oracle, Apache, Arango DB
Software & Tools: Visual Studio, Android Studio, IntelliJ IDEA, GitHub, Stack Overflow, Docker, Slack, Xcode
Cloud Architecture: Amazon Web Services (AWS) Cloud Practitioner
Development Framework: React Native, React, Bootstrap
Libraries: Python (NumPy, Pandas, Scikit-learn, Seaborn, Matplotlib, TensorFlow, OpenCV)
Machine Learning Algorithms: Linear & Logistic Regression, Decision Tree, Nearest Neighbors, Naïve Bayes, KNN, K-means

EXPERIENCE

ShopTaki, New York, NY, Full Stack Software Development Intern — March 2023 - Present
- Develop innovative smart-chain mobile & web applications using React Native to hybridize blockchain management across multiple entities, visualizing complex AI data & building robust platforms using JavaScript to create interconnected AI ecosystem.
- Optimize deployment & scaling of smart-chain applications using Docker, collaborating in agile leading team of five for process re-engineering, migrating backend server to Arango DB while debugging coding errors to reduce data breaches & enhance system.

Indian Oil Corporation LTD, Mumbai, India, Networking Infrastructure Intern — December 2018 - April 2019
- Created websites using HTML & CSS under guidance of CEO, developing networking infrastructure skills in WAN, LAN, & MAN while hosting React & Next.js front-end & Node.js backend API using AWS Elastic Compute Cloud (EC2).
- Optimized server connectivity by implementing AWS EC2, reducing website loading time by 30% & improving availability to balance higher traffic load by 25%.

Virsusky IT Private, Pune, India, LTD MERN Stack Web Developer — May 2017 - May 2018
- Developed scalable web app for EdTech client using React & Next.js, building user-friendly front-end using HTML, CSS, & Bootstrap, increasing user engagement by 40% & reducing bounce rate by 30%.
- Enforced blockchain algorithms in Python & JavaScript to detect data manipulation, enhancing system security & reducing vulnerabilities by 20%.

ACADEMIC PROJECTS

Stress-Out App: Facial Emotion Recognition Technology to Detect Signs of Depression — February 2023 - Present
- Develop mobile app using VS Code in team of six, coding facial recognition feature using JavaScript to analyze user photos & detect signs of depression, aiming to provide users with early intervention services for enhanced mental health outcomes.
- Train CNN machine learning algorithm to analyze user photos & assess for depression, yielding 91% predictive accuracy.

RESTful Service Using Docker — January 2022
- Optimized website using Docker to improve user experience (UX), developing web application hosted on Pace University web server using Ionic & React to streamline user interface, reducing development time by 40% & increasing positive runtime by 95%

HACKATHONS/EXTRACURRICULAR ACTIVITIES

Dataiku Hackathon, Pace University, 3rd Place Winner — October 2022
- Constructed machine learning model in team of four using Dataiku platform to predict appealing characteristics of chocolate, conducting exploratory data analysis & visualizing insights to identify most important factors for consumers.
- Executed Machine Learning Algorithms including Random Forest, Gradient Boost, & Regression, identifying Random Forest as most optimal with lowest RMSE of 0.325.