Atharva Atul Joshi

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Education

Indiana University Bloomington **08/2023 - 05/2025**

Master of Science in Computer Science

Relevant Coursework: Elements of Artificial Intelligence, Applied Algorithms, and Applied Machine Learning.

University of Mumbai **08/2019 - 05/2023**

Bachelor of Engineering in Electronics and Computer Science *GPA: 3.9/4*

Relevant Coursework: Data Science, Artificial Intelligence, Analysis of Algorithms, Cloud Computing, Software Engineering, Computer Networks, Data Structures and Algorithms, Cyber Security, Software Testing.

Technical Skills

Data Analysis Tools: Python (Pandas, NumPy, SciPy, scikit-learn), R, Excel, SQL, Tableau, Power BI, SAS.
Machine Learning: scikit-learn, TensorFlow, Keras, PyTorch, XGBoost, MLlib.
Web Development: HTML5, CSS, JavaScript, React, Angular, NodeJS, PHP, Express.js, Flask, Laravel, JSON, jQuery.
Databases: SQL, MongoDB, Firebase, NoSQL systems.
Cloud Computing: AWS, Azure, Docker, Kubernetes, Terraform, Cloud Security, CI/CD Pipelines (e.g., Jenkins)
Programming Languages: Java, Kotlin, C, C++, C#, Haskell, TypeScript, Bash, Asp.net.

Experience

Eugen Printing and Packaging **08/2022 - 06/2023**

Full Stack Developer Intern *Pune, MH*

- Revamped Company Website Utilizing HTML, CSS, and JavaScript on GitHub Platform: Created a visually captivating and user-friendly interface, integrating key backend features using Asp.net and C#. This effort resulted in a dynamic platform showcasing products and driving a 30% increase in customer account creations.
- Demonstrated Exceptional Troubleshooting Expertise: Swiftly identified and resolved web application issues, achieving a 100 percent efficiency rate through code optimization, enhancements, and integration with Azure DevOps for streamlined development and deployment.
- Pioneered a Comprehensive Website Modernization Initiative: Delivered a significantly enhanced user experience and incorporated SEO optimization strategies, leading to a remarkable 12% increase in unique website visits.
- Actively Participated in Daily Scrum Meetings: Contributed to task prioritization, progress reviews, and the identification and resolution of obstacles, ensuring the timely and efficient delivery of software projects.

Projects

LinkedIn Profile Scraper | *React, Node.js, Express.js, CSS, JavaScript, HTML, Selenium*

- Developed an automated web scraper using Node.js and Selenium, extracting data from 1,000+ LinkedIn profiles.
- Reduced manual effort by 95% and processing time by 50%, enhancing data accuracy and efficiency.
- Implemented a React front-end for user-friendly profile URL input and data visualization.

Movie Recommendation, Streaming, & Booking System using Machine Learning | *React, MERN, CNN*

- Modeled a system with Machine Learning to predict movies based on user preferences with 99.9 percent accuracy using content, collaborative filtering methods, and Convolutional Neural Networks (CNN) a Deep Learning algorithm
- Incorporated advanced ML techniques, continuously learning from user interactions and feedback, thereby refining the recommendation accuracy over time and personalizing the user experience.

Multi-Cloud Management Platform | *Cloud APIs, Linux, Automation Tools*

- Developed a comprehensive platform for unified management of multiple cloud services like AWS, Azure, and GCP.
- Integrated automation features for efficient deployment and scaling across different cloud environments.

Malaria Disease Prediction using Machine Learning | *ML, Python, Pandas, Matplotlib, seaborn, scikit-learn*

- Designed a model with different Machine Learning algorithms such as Logistic Regression, K means, Support Vector Machines, Decision Trees, Random Forest, and Naive Bayes to identify whether a human cell is infected with Malaria or not. Attained an outstanding accuracy rate of 95% in accurately identifying the infected cells.
- Implemented feature selection cutting input variables by 30%, boosting efficiency and cutting computation time by 15%.

Health Tracker App | *Swift, iOS SDK, Core Data*

- Developed an iOS health tracking app using Swift, catering to over 5,000 users with a focus on fitness and diet.
- Implemented Core Data, efficiently managing over 10,000 daily health metrics entries for user analysis.
- Integrated Apple HealthKit, enhancing functionality and accuracy of data from 500+ wearable devices.
- Employed MVC design pattern, ensuring smooth performance and a responsive user interface for a diverse user base.

Publications

- Research paper on 'Movie recommendations' published by International Journal of Science and Research (IJSR) Publishing Tech: ML, Python, NLP, MERN, CNN (November '23).