NISHCHINT S. MAKODE

Software Developer/Engineer | Proficient in Python, Java, and Full-Stack Development

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PROFILE

Results-driven computer science professional with an MSc in Advanced Computer Science and a BE in Computer Engineering. Experienced in full-stack software development, showcasing problem-solving skills and technical optimization. Proficient in multiple programming languages and tools, bringing adaptability, a commitment to excellence, and a proven track record to the software development field. Seeking full-time roles in the IT and software industry to contribute innovative solutions, gain practical experience, and make a positive impact while establishing valuable connections within the field.

EDUCATION

Master of Science (MSc) in Advanced Computer Science | Classification: Merit   **Sep 2022 – Sep 2023**
University of Birmingham   *Birmingham, UK*

Bachelor of Engineering (BE) in Computer Engineering | CGPA: 9.89/10.00   **Aug 2018 – Jul 2022**
Rashtrasant Tukadoji Maharaj Nagpur University   *Nagpur, India*

EXPERIENCE

IT AV Assistant (Part-time)   **Aug 2023 – Jan 2024**
The Exchange, University of Birmingham   *Birmingham, UK*

- Configured and maintained IT AV equipment, ensuring seamless operations and reducing downtime through monitoring and preventive maintenance.
- Resolved technical issues faced by users by swiftly troubleshooting problems and implementing effective solutions, resulting in enhanced user satisfaction and increased productivity in daily operations.
- Maintained optimal performance standards for AV equipment by regularly cleaning and conducting necessary checks. Minimized equipment failures during critical presentations and events through routine inspections.

Project intern (Internship)   **Aug 2021 – Feb 2022**
Agile Connects Pvt. Ltd   *Nagpur, India*

- Implemented 3 data analytics projects, implementing data analyses, data collection systems and other strategies that optimize statistical efficiency and quality.
- Optimized statistical efficiency and quality, resulting in an average efficiency improvement of 20% across implemented data collection strategies.
- Provided actionable insights and recommendations based on data analysis, resulting in a 75% implementation rate of recommended strategies by stakeholders.

Backend development intern (Internship)   **May 2020 – Jan 2021**
Credy   *Bengaluru, India*

- Developed scalable code using Django Rest Framework, ensuring robust backend solutions for fintech applications.
- Conducted comprehensive testing for performance, responsiveness, and security, adhering to fintech standards to deliver high-quality and secure software.
- Collaborated in backend code review and debugging, maintained and created APIs, integrated data storage solutions, wrote personalized financial algorithms, automated background actions, and developed data visualization APIs for improved user engagement.

TECHNICAL SKILLS

Languages: Python, Java, C, C++, Go, Rust, HTML/CSS, JavaScript, TypeScript, SQL, PHP, Shell Scripting
Developer Tools: VS Code, Git Version Control, Postman, Kubernetes, Docker
Technologies/Frameworks: Linux, GitHub, Google Cloud Platform (GCP), Flutter, React, React Native, Express, Next.js, REST, GraphQL, MongoDB, Firebase, Spring Boot, Django, MySQL, PostgreSQL, Node.js, Neural networks, TensorFlow, Pandas, Numpy, scikit-learn, Speech Recognition, Flask, OpenCV

PROJECTS

Personality Profiling using Sentiment Analysis | *Python, TensorFlow, Pandas, Flask* **Jun 2023**
- Researched sentiment-based personality profiling, using CNN and LSTM models to predict Big Five traits with 85% accuracy.
- Incorporated NLP and VADER lexicon for sentiment classification, creating a model connecting sentiment analysis and personality profiling.

Development of Lung Disease Diagnosis model | *Python, OpenCV, Pandas, Numpy* **Jul 2021**
- Trained a deep learning model, based on convolutional neural networks (CNNs), to classify lung diseases from X-ray images with an average F1 score of 0.92.
- Conducted comparative analysis with existing lung disease detection models, demonstrating a 15% improvement in accuracy and diagnostic performance.

Development of Speech Emotion Recognition model | *Python, scikit-learn, SpeechRecognition, Pandas* **Jul 2020**
- Designed and trained a Multilayer Perceptron (MLP) classification model to detect emotions from human speech, achieving an F1 score of 0.85 on an emotion classification dataset.
- Optimized the model to reduce inference time by 30%, resulting in faster and efficient speech recognition capabilities.

CERTIFICATIONS AND SPECIALIZATIONS

Certifications
- Google Cloud - Associate Cloud Engineer.
- Google Cloud - Cloud Digital Leader.
- Introduction to Bash Shell Scripting. (Coursera) (Project certification).

Specializations
- IBM - Full Stack Software Developer Professional Certificate.
- Programming for Everybody specialization (University of Michigan).

ACHIEVEMENTS

Awards
- Title of the best-performing student in the department of Computer Engineering, (**Jul 2021 – Jul 2022**).

Publications
- Nishchint Makode, Onam Dumbare, and Aditya Dabhade. "Lung disease detection from x-rays using CNN." International Journal for Research Publication & Seminar, vol. 13, no. 3, (**Apr 2022**).

Positions held
- Student council representative for the Department of Computer Engineering, (**Dec 2018 – Jul 2022**).