

NISHCHINT S. MAKODE

Software Engineer/Developer | Proficient in Python, Java, and Cloud Technologies

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PROFILE

Software Engineer/Developer with an **MSc in Advanced Computer Science** and an expertise in modern cloud technologies. **GCP-certified** specialist, skilled in cloud infrastructure management, CI/CD pipelines, containerization, and automation, with proficiency in leveraging GCP services to design and deliver scalable, cost-efficient, and highly available cloud-based solutions.

TECHNICAL SKILLS

Programming Languages: Python, Bash/Shell Scripting, Go, Java, SQL, JavaScript, TypeScript, C, C++, Rust

Cloud & DevOps Tools: Kubernetes, Docker, Terraform, Compute Engine, GKE, Cloud Functions, VPC, Cloud Build

Frameworks & Dev Tools: Flask, Django, React.js, Node.js, MySQL, MongoDB, Firebase, Git, Linux, Jenkins

EDUCATION

Master of Science (MSc) in Advanced Computer Science | Classification: Merit

University of Birmingham

Sep 2022 – Sep 2023

Birmingham, UK

Bachelor of Engineering (BE) in Computer Engineering | CGPA: 9.89/10.00

Rashtrasant Tukadoji Maharaj Nagpur University

Aug 2018 – Jul 2022

Nagpur, India

EXPERIENCE

Software Engineer Intern

Agile Connects Pvt. Ltd

Aug 2021 – Feb 2022

Nagpur, India

- Automated deployment for an internal employee management app by scripting workflows with Python and containerizing using Docker, reducing update time by 40% and eliminating deployment inconsistencies.
- Simplified the creation of test environments by using Docker Compose to configure virtualized environments, enabling the QA team to replicate production conditions, decreasing setup time by 25%.
- Enhanced system reliability by using Python scripts to analyze server logs and automate the detection of common errors, providing actionable insights that reduced downtime incidents by 15%.

Backend Developer Intern

Credy

Nov 2020 – Jan 2021

Bengaluru, India

- Designed and deployed 10+ API endpoints for a loan management system using Django, enhancing backend performance, ensuring seamless integration, and lessening latency for end-users.
- Ensured robust backend functionality by writing and executing 20+ unit tests for models and views, targeting code quality issues, achieving 90% test coverage, and lowering production bugs.
- Strengthened APIs by implementing JWT-based authentication mechanisms, targeting unauthorized access risks, achieving a 30% decrease in incidents, and reassuring users about platform security.

PROJECTS

Go File Search - gofs 🔗 | *Go, Cobra, Filepath, Regex, Glob*

- Designed and implemented an advanced command-line tool to simplify file searching and filtering in large directories. Integrated multithreading for parallel traversal, Regex for pattern matching, and customizable output features, improving search efficiency.

Personality Profiling Using Sentiment Analysis 🔗 | *Python, TensorFlow, Pandas, Flask*

- Developed a Flask-based web app using TensorFlow-powered CNN and LSTM models to predict Big Five personality traits with 85% accuracy, optimized for scalable deployment, offering solutions for HR and marketing through sentiment analysis of user-generated text.

Note-keeping App 🔗 | *MongoDB, Express.js, React.js, Node.js*

- Built a secure, user-friendly note-keeping app with the MERN stack, featuring user authentication, CRUD operations, and a pinning feature for organization. Deployed the app on a cloud-hosted environment, ensuring uptime and reliable note management.

CERTIFICATIONS AND SPECIALIZATIONS

Google Cloud - Associate Cloud Engineer 🔗

Google Cloud - Cloud Digital Leader 🔗

IBM - Full Stack Software Developer Professional Certificate 🔗

Goldman Sachs - Software Engineering Virtual Experience Program 🔗

Coursera - Introduction to Bash Shell Scripting 🔗

ACHIEVEMENTS

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

Publication - "Lung disease detection from x-rays using CNN." IJRPS, **(Apr 2022)**.

Leadership - Student council representative for the Dept. of Computer Engineering, **(Dec 2018 – Jul 2022)**.