

NISHCHINT S. MAKODE

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PROFILE

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

TECHNICAL SKILLS

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

Cloud 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

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

Assistant Professor

Nagpur Institute of Technology

Jun 2025 – Present

Nagpur, India

- Taught Data Structures & Algorithms, Java programming language, Quantum Computing, and Big Data Analytics to 70+ undergraduates, using hands-on projects and real-world examples to boost student engagement by 25%.
- Coordinated academic schedules and supervised final year projects for over 70 students annually, ensuring 98% on-time completion.

IT AV Assistant

The Exchange, University of Birmingham

Aug 2023 – May 2024

Birmingham, United Kingdom

- Configured and maintained IT AV equipment, ensuring 99% uptime and reducing downtime by 30% through monitoring and preventive maintenance.
- Resolved 50+ technical issues faced by users by swiftly troubleshooting problems and implementing effective solutions, resulting in 95% user satisfaction and a 20% increase in daily operational efficiency.

Project Intern

Agile Connects Pvt Ltd.

Aug 2021 – Feb 2022

Nagpur, India

- Automated application deployment by scripting CI/CD pipelines that used kubectl and YAML manifests to manage Kubernetes Deployments and Services, reducing update time by 40% and eliminating deployment inconsistencies.
- Simplified the creation of test environments by developing reusable Helm charts to configure Kubernetes clusters, enabling the QA team to replicate production conditions and decreasing setup time by 25%.

CERTIFICATIONS AND SPECIALIZATIONS

Google Cloud - Associate Cloud Engineer ↗ | Cloud Digital Leader ↗

IBM - Full Stack Software Developer Professional Certificate ↗

Goldman Sachs - Software Engineering Virtual Experience Program ↗

Coursera - Introduction to Bash Shell Scripting ↗

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.

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**)