

# NISHCHINT S. MAKODE

☎ +91 98908 34193 | 📍 Nagpur, India | ✉ nishchintmakode@gmail.com | 🔗 LinkedIn | 🐙 GitHub | 🌐 Portfolio

## 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**)