

## NIKITA METHA

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### EDUCATION

#### Arizona State University, Ira Fulton Schools of Engineering

Tempe, AZ, USA

Aug 2022 - Present

- Master's of Science in Computer Science
- Coursework: Advanced Operating Systems, Distributed Database Systems, Software Systems, Mobile Computing.

#### PES University

Bengaluru, IND

July 2015 - May 2019

- Bachelor of Technology in Computer Science - Systems and Software Specialization
- Coursework: Operating Systems, Python, C, Data Structures, Algorithms, Scripting, Web Development.

### WORK EXPERIENCE

#### Google

Bengaluru, IND

#### Cloud Technical Solutions Engineer - Google Cloud

Dec 2021 - July 2022

- Provided technical assistance and resolving code-related customer issues through debugging and support processes in various programming languages such as Python, NodeJS, and Java.
- Delivered swift and effective solutions to technical issues faced by customers and ensured the optimal functioning and performance of their GCP serverless environments by utilizing advanced troubleshooting methodologies and tools to diagnose, isolate, and rectify defects in a timely manner.

#### Amazon

Bengaluru, IND

#### DevOps Engineer - Amazon Pay

Jan 2021 - Dec 2021

- Leveraged Java J2EE and Ruby as the primary programming languages to build website pages, ensuring stability and performance, and integrated AWS services to support the deployment and management of web pages.
- Maintained website pages by implementing ongoing improvements, bug fixes, and updates to align with changing business requirements.
- Integrated REST APIs for seamless communication between web pages and underlying systems, utilizing it to enhance system reliability and stability.

#### Amazon Web Services

Bengaluru, IND

#### Cloud DevOps Engineer - AWS Managed Services

Jul 2019 - Jan 2021

- Developed expertise in troubleshooting complex AWS service-related issues, including load balancers, API Gateway, Linux/Unix, SQL databases, and Kubernetes.
- Automated infrastructure deployment and management by constructing scripts utilizing AWS Cloudformation and Python, enabling customers to deploy infrastructure with ease.
- Designed and developed an internal tool for the engineering team using AWS Developer Services.
- Implemented secure data retrieval from DynamoDB and rendered it on a React website hosted via API Gateway and AWS Lambda, using Python and GraphQL.

### PROJECTS

#### [Machine Learning | JavaScript] WorkoutRight - An Exercise Monitoring and Feedback Tool

- Created a web tool to monitor users' exercises, providing feedback on posture correction and efficiency.
- Utilized modern web technologies, including JavaScript, GraphQL, Hasura, and created an algorithm over Posenet, to create a comprehensive and user-friendly solution.
- Delivered a tool that enables users to track their exercises, receive real-time feedback, and improve their posture and performance efficiently.

#### [Web Based Automation | Selenium, Python] OpenSeatsNotifier - A Real Time Course Seat Availability Monitor

- Developed a course seat availability monitoring tool using Python, Selenium, and BeautifulSoup to check for open seats and notify users via email.
- Utilized Selenium to simulate clicks on the course registration web page and retrieve seat information using BeautifulSoup.
- Hosted the tool on AWS EC2 instances, configured to run the script every minute to provide real-time notifications on open seat availability.

### SKILLS

- Databases: MySQL, PostgreSQL, MongoDB
- Programming Languages - Python, Java, NodeJS
- DevOps - CI/CD, Scripting, Agile methodologies, Kubernetes, Docker
- OS - Unix/Linux troubleshooting, System Performance, RHEL system administration
- Web Technologies - React, HTML, CSS, JavaScript, Flask
- Backend - REST APIs, Microservice Architecture, NodeJS,
- Cloud - Amazon Web Services (AWS), Google Cloud Platform (GCP)
- Tools - Git Version Control, ServiceNow

### LEADERSHIP POSITIONS & AWARDS

- Graduate Teaching Assistantship at Arizona State University (Instructor on record for an undergraduate class, taught the course "Intro to Engineering")
- WMN Hackathon - Grand Prize (<https://devfolio.co/submissions/workoutright>)
- PES University - CNR Rao Merit Scholarship (Half yearly scholarship award)