

# Mukhil Sundararaj Gowthaman

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## EDUCATION

<b>New York University</b> <i>Master of Science in Computer Science</i>	<b>New York, NY, USA</b> <i>Aug. 2024 – May 2026</i>
<b>University of Texas at Austin and Great Lakes Institute of Management</b> <i>Post Graduate Diploma in Artificial Intelligence and Machine Learning</i>	<b>Chennai, TN, India</b> <i>Feb. 2022 – Mar. 2023</i>
<b>SRM Institute of Science and Technology</b> <i>Bachelor of Technology in Computer Science and Engineering</i>	<b>Chennai, TN, India</b> <i>Jul. 2018 – Mar. 2022</i>

## TECHNICAL SKILLS

**Languages:** Java, Python, C/C++, SQL (Postgres, Oracle), Swift, Rust, PHP, HTML/CSS, R, NoSQL (MongoDB)  
**Frameworks:** Flask, JUnit, WordPress, Kubernetes, Spring Boot, RESTful APIs, OpenShift  
**Developer Tools:** Git, Docker, AWS, VS Code, IntelliJ, Eclipse, Maven, Jenkins, Gradle, Jira, Bitbucket, Confluence  
**Libraries:** pandas, NumPy, Matplotlib, Tensorflow

## PROFESSIONAL EXPERIENCE

<b>Barclays Bank PLC</b> <i>Analyst Developer</i>	<b>August 2022 – June 2024</b> <i>Chennai, India</i>
<ul style="list-style-type: none"><li>Delivered 12+ SOAP-based Java services on OpenShift, <b>improving production efficiency by 30%</b></li><li>Built and optimized 5+ IBM Content Manager-OnDemand components, enhancing document processing speed</li><li>Trained 10+ fresh graduates, <b>reducing onboarding time by 50%</b> through streamlined training programs</li></ul>	
<b>Altimetrik</b> <i>Project Intern</i>	<b>Dec. 2021 – Jan. 2022</b> <i>Chennai, India</i>
<ul style="list-style-type: none"><li>Researched and developed GPT-3-based AI prototypes, achieving <b>90% accuracy</b> in intent recognition</li><li>Deployed 3 business use cases for GPT-3, <b>reducing code review time by 15%</b> in telecommunication applications</li><li>Delivered product presentations to 20+ stakeholders, leading to an increase in project adoption rates</li></ul>	
<b>Mentor Match India</b> <i>Application Developer Intern</i>	<b>Dec. 2020 – Jan. 2021</b> <i>Chennai, India</i>
<ul style="list-style-type: none"><li>Designed and developed the iOS app and UI/UX framework for an educational startup</li><li>Completed full-cycle app development within 6 weeks, meeting tight deadlines with 100% functionality</li><li>Achieved an <b>83% user satisfaction rate</b> for the Mentor Match app based on post-launch feedback</li></ul>	
<b>Nakoda Marketing</b> <i>Web Development Intern</i>	<b>May 2020 – Aug. 2020</b> <i>Chennai, India</i>
<ul style="list-style-type: none"><li>Designed, built, and hosted an e-commerce website for B2B and B2C electronics distribution</li><li><b>Reduced page load times by 40%</b> through optimized web architecture and caching</li><li>Ensured scalable and secure e-commerce solutions tailored to client needs</li></ul>	

## PROJECTS

<b>StrokeHAB - Rehabilitation using Neural Networks</b>   <i>Python, TensorFlow, UNet</i>	<b>Nov. 2021 – Feb. 2022</b>
<ul style="list-style-type: none"><li>Classified upper-limb compensatory movements during stroke rehabilitation with 89% accuracy using UNet and RNNs</li></ul>	
<b>Service Chatbot – Consumer Banking</b>   <i>Python, Flask, Docker, MySQL</i>	<b>Jan. 2021 – May 2021</b>
<ul style="list-style-type: none"><li>Created a Chatbot to respond to queries regarding support tickets, customer onboarding, and loan products</li></ul>	
<b>NCR - Facial Recognition using OpenCV</b>   <i>Python, Flask, TensorFlow, OpenCV</i>	<b>Jun. 2020 – Nov. 2020</b>
<ul style="list-style-type: none"><li>Developed a facial recognition software that uses a pre-trained model to identify facial features in an image stream</li></ul>	

## CERTIFICATIONS

<b>AWS Certified Solutions Architect Associate</b> – Amazon AWS	<b>May 2024</b>
<b>Oracle Certified Professional, Java SE8</b> – Oracle	<b>Sep. 2021</b>