

EDUCATION

Georgia Institute of Technology | Atlanta, Georgia, USA **Aug 2025 - enrolled**
Master of Science in Computer Science

University of Texas at Dallas | Richardson, Texas, USA **Dec 2023**
Bachelor of Science in Computer Science

- **Relevant Courses:** Machine Learning, Artificial Intelligence, Computer Vision, Database Systems, Computer Networks, Advanced Algorithm Design & Analysis, Computational Methods for DS, Big Data Management & Analytics

EXPERIENCES

Hyundai Mobis | IT Specialist | Montgomery, Alabama, USA **Aug 2025 – Current**

- Administered enterprise security platforms to support IT audits, compliance checks, and regulatory standards
 - Genian NAC, Cisco ISE, AhnLab EPS
- Managed IT asset lifecycle and provided end-users support across departments; Laptops, peripherals, M365
- Utilized SAP for budget approvals, purchase requisitions, invoice processing, and goods receipts
- Assisted with HQ in South Korea on IT audits, budgeting, and security compliance initiatives

American Robotics Academy | Instructor | Spring, Texas, USA **Jun 2018 - Jul 2019**

- Taught 30+ students weekly focused on engineering & technical design using LEGO Technic & Mindstorm EV3 robots

KAIST, Visual Intelligence Laboratory | Lab Intern | Daejeon, South Korea **Jun 2018 - Jun 2018**

- Utilized Intel RealSense SDK in Python for real time road scanning for autonomous car development

PROJECTS

Toyota Financial Services | Software Engineer | Plano, Texas, USA **Jan 2023 - May 2023**

- Developed a prototype employee rewards system leveraging internal cryptocurrency for Senior Design project at UTD
- Built a RESTful API with Express to interface with React frontend, ERC20 Smart Contract, and a MySQL database
- Presented to 15+ senior management members, received commendations for functionality and innovative approach

Forest Wildfire Detection using Vision | AI Developer | Plano, Texas, USA **Nov 2023 - Dec 2023**

- Built an Image Classification model for wildfire detection using 2700-image dataset leveraging ResNet50 CNN with transfer learning and advanced data preprocessing and transformation techniques, utilizing PyTorch and Pandas
- Achieved 68.29% test accuracy after training on a personal CUDA-enabled system, visualized with seaborn

Link Shortener Web App | Full Stack Developer | Remote, USA **Jun 2023 - Sep 2023**

- “bit.ly”-like web application that creates a short URL with analytics, utilized Next.js, Auth.js, Prisma, and TailwindCSS

SKILLS

Languages Java, Python, TypeScript, JavaScript, SQL, HTML, CSS, C/C++, Shell

Libraries React, Next.js, Vite, TailwindCSS, Auth.js, Express.js, Prisma, tRPC, PyTorch, TensorFlow, Pandas, NumPy, Sklearn, matplotlib, seaborn

Tools Git, GitHub, CI/CD, AWS, GCP, Cloudflare, REST API Development, Postman

SAP, CISCO ISE, AhnLab EPS, Genian NAC, Hardware/Software support

Others Agile, Technical Communication & Writing, Project Management, Problem Solving, Budget, Strategic Planning, Compliance, Risk Management

AWARDS

Google Cloud Hero Challenge | Houston, Texas, USA **September 9, 2024**
1st rank – Gemini & Vertex AI @ Google Cloud Houston