

# Pavan Alluri

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## EDUCATION

### University of Texas at Dallas - Richardson, TX

Expected: May 2024

*Bachelor of Science in Computer Science*

*GPA: 3.86*

- Awards/Extracurriculars: National Merit Scholar Program (full-ride scholarship), Eagle Scout, ACM, Codepath

## TECHNICAL SKILLS

**Languages & Frameworks:** Java, Spring, Python, Go, C++, JavaScript, SQL, Terraform, React.js, Node.js

**Technologies:** Amazon Web Services, Git, Docker, Kubernetes, CI/CD, Kafka, Apache, Postgres, Postman, MongoDB

**Relevant Coursework:** Advanced Algorithms, Computer Architecture, C in Unix Environment, Software Engineering

## EXPERIENCE

### Coinbase

San Francisco, CA

*Software Engineer Intern - Node API Team*

*Jun 2022 - Aug 2022*

- Collaborated to build a blockchain developer platform that helps customers develop decentralized applications
- Enabled customers to test DApps 300% faster by engineering product that provides them Goerli (test chain) data
- Implemented real-time streaming and indexing for 7M+ blocks into MongoDB using Go, AWS MSK, and Lambda
- Integrated access to Goerli block data into overall product by developing multi-network support on 10+ Go APIs
- Technologies: Go, Docker, Kubernetes, JSON-RPC, AWS (Lambda, S3, VPC, PrivateLink, MSK), Terraform

### State Farm

Richardson, TX

*Software Engineer Co-op - Resource Allocation Team*

*Aug 2021 - Dec 2021*

- Improved overall developer productivity by 10% through multiple automation and infrastructure projects
- Configured and deployed 6 Prometheus alerts to monitor API latency, server errors, and requests per minute
- Reduced query testing time by 98% by developing Python scripts which automated testing of 120+ SQL queries
- Decreased product's technical debt by migrating 3 microservices from on-prem to AWS using Terraform
- Technologies: Python, Postman, PostgreSQL, Prometheus, Splunk, Terraform, AWS (Lambda, RDS)

### State Farm

Richardson, TX

*Software Engineer Intern - Resource Allocation Team*

*Jun 2021 - Aug 2021*

- Developed 4 features for a full stack web app that tracks resource allocation for 5,000+ underwriters
- Delivered a key workflow that optimized resource allocation by 4.6% using React, Java/Spring, and PostgreSQL
- Eliminated 100% of pipeline redundancy by migrating 8 Gitlab CI/CD pipelines to a GitOps deployment process
- Technologies: Java, Spring, React, PostgreSQL, JUnit, GitLab CI/CD

### Google

Mountain View, CA

*Google CSSI Participant - Advanced Track*

*Jul 2021 - Aug 2021*

- Collaborated in groups to build 10+ full stack web applications with guidance from Google engineers
- Technologies: HTML, CSS, JavaScript, Firebase, Google Cloud Shell, Git

### University of Texas at Austin

Austin, TX

*Machine Learning Researcher - High-Dimensional Motion Planning Group*

*Jun 2020 - Aug 2020*

- Led team of 3 to engineer Python-based robotic arm simulator to create 40,000 configuration space data instances
- Designed Convolutional Neural Network with Keras and TensorFlow to speed up high dimensional path planning
- Technologies: Python, Keras, TensorFlow, Matplotlib, A\*, Neural Networks

## PROJECTS

**Scholastician** | *HTML, CSS, Bootstrap, React.JS, PHP, SQL, Apache, Google SEO*

- Spearheaded creation of tutoring platform to enable virtual education in 20+ courses during COVID-19
- Provided customized experience for 2000+ visitors by implementing 15 user journeys with React.js, PHP, & SQL
- Received U.S. Congressional Commendation from DFW Representative Van Taylor for impacting 250+ students

**Social Media Application** | *Angular, Express.js, Node.js, MongoDB, RESTful API, AWS (S3 & EB)*

- Launched a private social media app on AWS for 10+ family members to share family memories privately
- Developed Angular frontend and backend REST API with 15+ endpoints using Node, Express, and MongoDB