

ABHINAV R. KOLLI

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EDUCATION

The University of Texas at Austin	Bachelor of Science, Computer Science Honors	May 2026
	Bachelor of Business Administration, Canfield Business Honors	May 2026
	Minor in Statistics and Data Sciences	
	Cumulative GPA: 3.61/4.00	

SKILLS

Languages: Python, Java, JavaScript, TypeScript, HTML/CSS, Node, Git, SQL, R, C/C++, Assembly, Terraform/HCL

Technologies: AWS, Google Cloud, React, React Native, MongoDB, TensorFlow, Flask, Docker, Splunk, Kafka, Spark, Figma, Jira

Certifications: AWS Solutions Architect (2022), IBM Accelerate – Client Engineering (2024)

Relevant Honors Coursework: Cloud Computing, OS/Computer Architecture, Machine Learning, Computer Vision, DSA, Statistics

WORK EXPERIENCE

Google – Incoming Software Engineer Intern August 2025 – November 2025

Meta – Business Software Engineer Intern May 2025 – August 2025

- Spearheaded LLM agent to generate campaign-specific audience segments across 7 marketing pods, cutting manual creation time by ~99%
- Integrated data pipeline, RAG filter, and custom scoring system to match audience requests with 3K+ signals, reaching 88% fit accuracy
- Designed 4-step React UI and logged 43 key metrics to internal data store, delivering live demo to execs to drive rollout on 180 campaigns

JP Morgan Chase – Software Engineer Intern June 2024 – August 2024

- Automated verification of 10K Parquet files to CSVs weekly using PySpark/EMR, S3, and Lambda, elevating processing speed by 60%
- Engineered React app to track archival of data with Kafka and Elasticsearch, boosting transparency for 80+ cross-functional teams
- Deployed Java Spring Boot microservices with Maven and ECS to sync file operations and cut Data Lake orchestration time by 23%

Sabre – Cloud Software Engineer Intern May 2023 – August 2023

- Achieved 27% increase in GCP provisioning success by building Terraform private modules for Pub/Sub, GCS, and Cloud Functions
- Reduced organization's Pub/Sub backlog issues by 35% when monitoring 8 metrics with AppDynamics agents and GCP dashboards
- Streamlined compliance testing of cloud infrastructure by developing C++ unit tests integrated with CI/CD Jenkins tool and Ansible

Behavior Startup – Data Engineer Intern August 2022 – December 2022

- Extracted 3M records of 5K patients' health data from Garmin into Firestore using Python scripts, saving 10+ hours of work per trial
- Implemented XGBoost and Bayesian Optimization pipeline with parallel processing, improving troubleshooting efficiency by 33%
- Investigated pulse oximetry and oxygen desaturation index as features for XGBoost with R, yielding 7% increase in model accuracy

Kalvi Prep Institute – Software Engineer Intern May 2021 – August 2021

- Launched final website with team using agile sprints, resulting in 25K+ page visits and 2.3K student interest forms in two months
- Built frontend with React and TypeScript by iterating Figma designs based on Google Analytics data, reducing bounce rate by 20%
- Established a 32-week Java Computer Science and Data Structures virtual program with advanced lab assignments to 600+ students

LEADERSHIP EXPERIENCE

Convergent Forge Startups – Tech Lead and Finance Chair September 2022 – Present

- Led projects for 4 Austin-based startups, managing 6 engineers using Jira boards and securing 94% average stakeholder satisfaction
- Increased notetaking startup Journal365's engagement by 33% while enhancing LLM, Naïve Bayes classifier, and MongoDB cluster
- Optimized AWS costs to \$18/month or 65% reduction, securing QOTD (cleaning company) data using Cognito, DynamoDB, and S3

Texas 180 Degrees Consulting – Project Lead and Senior Consultant January 2023 – April 2024

- Created Austin Disaster Relief's security scanner with React Native and Envoy to enable 93 admins to verify 6.5K volunteer badges
- Utilized React-Redux, Figma, and Tailwind in Rainforest Project's site, showcasing 16 key research findings and RP custom metrics
- Delivered "Re:wild Your Campus" case study, revealing \$12K annual savings from 6 sites using organic practices over fertilizers

PROJECTS

Discount.ai – React, JavaScript, Python, Flask, Vertex AI, LangChain, Pinecone September 2023

- Earned finalist honor in HackMIT among 170+ teams, creating webapp that generates Excel discounted cash flows from finance API
- Vectorized DCF Excel inputs with LangChain and trained LLMs to provide users discussions with chatbot on investment projections

Gamai – React, JavaScript, Python, Flask, TensorFlow, OpenAI, AWS June 2023

- Crafted DQN/DDQN agent to train against cloned version of 2048 game using OpenAI and Keras and succeeds in under 400 trials
- Developed experimental interface for Q-learning agent to play Snake with adjustable parameters and achieved length 65 in 300 trials