

Nikhil Shirolkar

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EDUCATION

Virginia Tech Engineering

BS in Computer Science | Minor in Math
Grad. May 2020 | Blacksburg, VA
GPA: 3.43 / 4.0

Thomas Jefferson High School for Science and Technology

Grad. June 2017 | Alexandria, VA
GPA: 4.15 / 4.0

TECHNOLOGIES

Programming Languages

Python, Java, JavaScript, TypeScript, Scala, Swift, PHP, C++, C, HTML/CSS

Frameworks, Database, & Tools

GraphQL, React, Spring Boot, Node, Kafka, MySQL, Redis

Cloud & Infrastructure

GCP (GCE, GCS, GCM, Dataflow), Docker, Thrift, Jenkins, CircleCI, Argo CD, Airflow, Splunk, New Relic

COURSEWORK

Computer Science

Client-Side Technologies, Mobile (iOS) Software Development, Data Analytics and Visualization, Artificial Intelligence, Machine Learning, Parallel Computing, Computer Systems, Database Management, Data Structures and Algorithms, Algorithm Analysis

Mathematics/Statistics

Cryptography, Applied Combinatorics, Linear Algebra/Differential Equations, Discrete Algebra, Multivariable Calculus, Complex Algebra, Statistics

TEST SCORES

SAT

Math: 800/800
Reading: 750/800

AWARDS

VT CSRC Scholarship
(Top 1%) National Merit Scholar
National AP Scholar with Distinction

EXPERIENCE

Amazon | Software Development Engineer 2

September 2024 – Present | Sunnyvale, CA

Credit Karma | Software Engineer 2

August 2022 – August 2024 | Oakland, CA

- Worked on CK tax product engineering, machine learning infrastructure, facts platform.
- Lead engineer for Tax Entry Points: personalized the member experience and built tax intent through UI that funnels members to Intuit TurboTax.
- Collaborated with analytics/business intelligence teams to optimize backend event tracking, increasing flexibility, improving performance/latency, and simplifying click attribution.
- Led GCM adoption for model training storage.
- Optimized user feature staging pipeline with a sampling approach, reducing run time by 50% and cost by 94.4%.

Intuit | Software Engineer 2

August 2020 – July 2022 | Mountain View, CA

- Served as the domain expert and service owner for a key microservice powering Mint marketplace's personal loans vertical.
 - Implemented API optimizations that improved performance/latency, increasing the number of users and offers served.
 - Worked closely with marketing to strategically drive campaigns to maximize offer conversion.
 - Migrated service from EC2 to EKS, enhancing scalability and reliability.
- Contributed to Mint premium initiatives and infrastructure improvements.
- Worked on the SmartMoney team to develop and release Mint/Rocket Mortgage's flagship Home Loans refinance/purchase products, focusing on API development and full react/web development.

Intuit | Software Engineering Intern

May 2019 – August 2019 | Mountain View, CA

- Designed and built a new Java SDK utility framework to facilitate compliance and data privacy workflows across multiple microservices, improving regulatory adherence and streamlining development processes.

Rock Creek Group | Quantitative Analyst

June 2018 – August 2018 | Washington, D.C.

NASA | Student Researcher

June 2014 – July 2014 | Mountain View, CA