

Sunchit Sharma

Software Engineer | Security Systems | AI-Native Engineering

PROFILE

Software engineer with 7+ years building production systems across Meta, Oracle, and Samsung Research. Current work focuses on large-scale security systems, login security, integrity, privacy, and end-to-end production reliability. Experienced across cloud data platforms, IoT, edge intelligence, and practical AI-assisted engineering workflows.

CORE AREAS

Security systems

Login security

Integrity

Privacy

Distributed systems

Big Data platforms

IoT

Edge intelligence

AI-assisted workflows

Developer tooling

EXPERIENCE

Software Engineer Meta

Jan 2022 - Present

Greater London, United Kingdom

- Build large-scale security systems for products used by billions of people.
- Work across login security, integrity, privacy, and end-to-end security system design.
- Partner with product and infrastructure teams to move security work from design through production.

Software Developer II Oracle

Aug 2021 - Jan 2022

Bengaluru, India

- Resolved security vulnerabilities across Big Data platform components including Hadoop, Hive, and HBase.
- Worked on bug reporting and fixes for large-scale cloud data infrastructure.
- Worked closely with the internals of Big Data systems on enterprise cloud platforms.

Senior Software Engineer, Research Samsung R&D Institute India

Jun 2019 - Aug 2021

Bengaluru, India

- Contributed to Samsung On-Device Neural Engine and LF Edge Home Edge orchestration platform.
- Worked on Samsung's IoT framework for home automation and edge intelligence.
- Built demos for IoT Solutions World Congress 2019 in Barcelona and Samsung Open Source Conference 2019 in Korea.
- Received 5x Samsung Spot Awards for machine learning platform contributions and international demo impact.

Teaching Assistant IIIT Hyderabad

Jul 2018 - Apr 2019

Hyderabad, India

- CSE563: Internals of Application Servers, under Prof. Ramesh Loganathan.
- CSE603: Advanced Problem Solving, under Prof. Venkatesh Choppella and Prof. Vikram Pudi.

Research Intern Samsung R&D Institute India

May 2018 - Jul 2018

Bengaluru, India

- Developed cross-platform voice intelligence applications for assistant-like services across host environments.

PATENTS & PUBLIC WORK

GRANTED PATENT

US12010177B2

Device and method for handling critical events in an IoT environment. Related PCT publication WO2023075028A1; priority IN202141049481.

SAMSUNG RESEARCH

Embedded IoT and LF Edge HomeEdge

Published work on edge orchestration, service offloading, distributed machine learning, and device selection for home IoT environments.

PROJECTS

HEALTH TECH

Health Claw

AI-first health dashboard that starts like a chatbot: meal photos, sleep notes, and Apple Watch screenshots are interpreted by AI, routed into nutrition/activity/recovery workflows, and turned into trends over time.
Community: discord.gg/SA7gG3dcwk

ARCHIVE

More Projects

Additional experiments, repos, and technical work live at github.com/sunchitsharma.

EDUCATION

M.Tech, Computer Science

IIIT Hyderabad | GPA 8.68 | Distributed systems, application servers, NLP, blockchain systems

2017 - 2019

B.E., Computer Science

College of Engineering Roorkee | Operating systems, algorithms, networks, theory of computation, databases

2013 - 2017

High School, Science

St. Joseph's Academy, Dehradun

2000 - 2013

RECOGNITION

IIIT PGEE

All-India Rank 6

2017

UGC NET

99.72 percentile

2018

GATE

99.24 percentile

2017

Dean's List

3 postgraduate semesters

IIIT Hyderabad

Samsung Spot Awards

5x corporate recognition for shipping impact

Samsung Research

University Leadership

Student placement and cultural coordination

University level

ADDITIONAL LINKS

medium.com/@sunchitsharma8

youtube.com/@sunchit_sharma

research.samsung.com/blog

patents.google.com/US12010177B2