

Rohit Kotha

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EDUCATION

Birla Institute of Technology and Science (BITS) Pilani

Bachelor of Engineering in Computer Science, GPA: 7.63/10

Hyderabad, India

Nov. 2020 – Apr. 2024

EXPERIENCE

Amazon

Jul. 2023 – Dec. 2023

SDE Intern, Amazon Shipping

Hyderabad, India

- Created a new AWS Lambda function to process Image Events, and created a new API to display images for Proof of Delivery on the ship.amazon.com and track.amazon.com tracking page
- Worked with JAVA Dependency Injection Frameworks Spring, Dagger, Guice and AWS CDK (Cloud Development Kit) in developing Native AWS Applications.

Swecha

May 2022 – July 2022

Web Development Intern, Swecha Voice

Hyderabad, India

- Built a web scraper using open-source libraries with python to scrape audio from various sources

PROJECTS

StreamShare | *React, Express.js, Node.js, MySQL*

Mar 2022 – Apr 2022

- A web app to share streaming platform passwords and split plan amounts

Car parking slot booking | *Java, Spring Boot, Apache Maven, React, MySQL*

Nov 2021 – Dec 2021

- A web app to book parking slots for cars and manage them

Eisen | *C++, OpenGL, GLSL*

Jul 2022 – Present

- A graphics/game engine made using C++ and OpenGL

Line segment intersection | *C++*

Mar 2023 – Apr 2023

- Line segment intersection algorithm implemented in computational geometry

Polygon decomposition into convex polygons | *C++, freeglut*

Feb 2023 – Mar 2023

- Implemented a paper to decompose a polygon into convex polygons

Mask detection | *Python*

Nov 2022 – Dec 2022

- Mask detector app for images and live video

Primitive Rendering | *C++, freeglut*

Oct 2022 – Nov 2022

- Rendering of lines and simple shapes using bresenham algorithm

Ray tracing in CUDA | *C++, CUDA*

Dec 2022 – Jan 2022

- Ray tracer made using CUDA

TECHNICAL SKILLS AND INTERESTS

Languages: Java, C/C++, Python, SQL, JavaScript, HTML/CSS

Frameworks/Libraries: Spring Boot, Google Guice, React, Express.js, Next.js, Flask

Developer Tools: Git, AWS, Azure, VS Code, Visual Studio, IntelliJ