Appaji Chintimi

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EDUCATION

Bachelor of Technology, Indian Institute of Technology, Patna — May 2023
- Computer Science and Engineering, CGPA: **8.88/10**
- **Key Courses Taken:** Data Structures, Algorithms, Operating Systems, Database Management, Computer Networks, Artificial Intelligence, Financial Analytics, Computer Security

WORK EXPERIENCE

Software Engineer, Infinite Reality (acquired Ethereal Engine) — *July 2023 - Current*
- Worked collaboratively to revamp the UI of our web app using Tailwind CSS and React.js, resulting in a 70% reduction in bundle size and enhanced user experience.
- Developed a novel format for volumetric videos, leading the development of both the encoder and a highly adaptive player. The player dynamically detects device capabilities, ensuring optimal resolution playback, akin to YouTube's adaptive streaming technology.
- Engineered robust **Docker** tests in CI/CD, streamlining development workflows and ensuring consistency across all 3 environments (Linux, MacOS and Windows).

XROS Fellow, Ethereal Engine — *April 2023 - June 2023*
- Developed UVOL2 player for Ethereal Engine with DRACO and KTX2 compression, reducing texture bandwidth usage.
- Enabled backward compatibility for UVOL1 and UVOL2 formats to improve accessibility. Click here to view Project Report

Software Engineering Intern, Arista Networks — *May 2022 - July 2022*
- Implemented Partial Configuration Management using Golang on CloudVision portal's backend
- Engineered an algorithm for optimized execution of configuration changes in the network switches
- Built a serverless Hangouts bot that notifies on long running jobs, reducing developer's waiting time

Undergraduate Researcher, IIT Patna *Advisor: Dr. Jimson Mathew* — *Jan 2021 - April 2022*
- Implemented different Deep Reinforcement Learning models and Monte carlo tree search using raylib library, Achieved over 11% returns over Indian stock dataset

AWARDS & LEADERSHIP

- Chosen as one of the top 100 candidates out of over 10,000 applicants for the XROS Fellowship sponsored by **Meta**.
- Post-fellowship, honored with the distinguished Top-10 Fellowship Award (and cash-prize), highlighting exceptional contributions and performance within the selected group of fellows.
- Led a team of 5, and successfully completed and deployed 2 Web apps **as E-Cell Tech Lead**.

PROJECTS

Leetcode Visualizer, youtu.be/m-ryVXzOFys — *June 2021 - July 2021*
- Displays statistics about solved, unsolved Leetcode problems in a beautiful way (dark-mode included).
- Added Google Analytics to get audience metrics. Served over 1300+ users till now.

Market Service Management, youtu.be/fu06r9B5IAI — *Oct 2021 - Nov 2021*
- Designed & implemented a responsive web-app to manage retail shops, shop keepers, rent payment and gather user feedback online with polished user experience as key focus.
- Used Node.JS, ReactJS, MySQL techstack and Material UI as design framework

TECHNICAL SKILLS I'M FAMILIAR WITH

Languages	Python, TypeScript, JavaScript, C++
Web Technologies	React.JS, Node.JS, Rest API
Other tools	Linux, Git, Docker, AWS