

Tharun Kumar Reddy Polu (He/Him)

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EDUCATION

University of Maryland, College Park

ME, Software Engineering

College Park, MD

Expected December 2024

- Relevant Coursework: Software Engineering, Data and Algorithms, Hacking of C programs and UNIX binaries

Jawaharlal Nehru Technological University

BE, Electronics and Telecommunication Engineering

Hyderabad, India

July 2021

- First Class with Distinction, top 2% of the department

TECHNICAL SKILLS

Programming: Python, C, C++, Java, SQL, HTML, CSS, JS, REST APIs, XML, JSON, OracleDB

Frameworks: Spring, Selenium, Django, AngularJS, Bootstrap, TailwindCSS, PyTest

Tools: VS Code, Eclipse, GIT, Office 365, Postman, SOAP UI, Docker, SQL Developer, JIRA, Confluence

WORK EXPERIENCE

University of Maryland, College Park

Graduate Teaching Assistant – Robert H. Smith School of Business

College Park, MD

February 2023 – Present

- ENTS625 - Management and Organizational Behavior in the Telecommunications Industry
- BMGT467 - Strategic Innovation and Entrepreneurship

Tata Consultancy Services Ltd.

Software Engineer

Hyderabad, India

July 2021 – December 2022

- Developed multiple REST APIs from scratch that handle the necessary data for users and 100+ brokers by ingesting data from 30+ insurance systems.
- Collaborated with QA and support teams to troubleshoot issues with backend software, resolved them and boost performance, which resulted in a 30% reduction in downtime.
- Mentored 8 team members on J2EE programming to expand the developer workforce.

PROJECTS

Tweety – The Virtual Voice Assistant

Personal Project

Hyderabad, India

September 2022 – January 2023

- Developed a command line app using python and its related packages/modules to assist software engineers/ common computer users with their daily tasks
- Addresses 50+ routine tasks that can save at least 2 hours of developer time.
- The project was made open source. the web content management system was GitHub.

Librarian Bot

Under Graduate Project

Hyderabad, India

March 2021 – June 2021

- Designed a web-based software tool “Librarian Bot” for Library tasks management & maintenance.
- Launched borrow, return, and fine generation facilities for 500+ students and guests accessing the institution library facility.
- Assisted Library staff and students with troubleshooting and solving technical problems.

ACTIVITIES AND AFFILIATIONS

Institute of Electrical and Electronics Engineers

Team Member/Coordinator

Hyderabad, India

February 2019 – 2020

- Increased head count at IEEE student community and event attendance by 27% over the tenure.
- Monitored team of 70 students and worked on projects which received funding from IEEE Hyderabad.