Pavan Motupalli

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Education

- **Texas A&M University**   College Station, TX
  Bachelor of Science in Computer Science, Minor in Business; **GPA: 4.00**   *Expected May 2023*
  - **Relevant Coursework:** Machine Learning, Data Structures & Algorithms, Computer and Network Security, Artificial Intelligence, Human & Computer Interaction, Parallel Computing (Graduate), Competitive Programming

Skills

- **Languages:** C++, Python, Java, HTML/CSS, JavaScript, SQL
- **Frameworks:** Express, ReactJS, Node.js
- **Technologies:** PostgreSQL, MongoDB, Git, Linux, Amazon Web Services(AWS), Heroku(Salesforce)

Experience

- **Toast**   Remote
  Incoming Software Engineering Intern   *Sep 2022 - Dec 2022*
- **Amazon**   Austin, TX
  Software Development Engineering Intern - Business Payment Products (B2B)   *May 2022 - Aug 2022*
  - Designed and implemented interactive **fintech** component using **ReactJs** and **Java** to effectively facilitate **$2 billion** in transactions
  - Created **UI and Integration tests** in **Java** to be used in pipeline to ensure automated testing during deployment
  - Developed internal customer testing service by leveraging internal **APIs** to save **thousands of hours** of testing and **minimizing miscommunication** between different teams at Amazon
- **Deloitte**   Houston, TX
  Solutions Engineering Intern - Healthcare Technologies   *Jun 2021 - Aug 2021*
  - Developed efficient back-end data encryption process in Python with **Pandas** and **NumPy** libraries to provide more efficient services to **42 million customers**
  - Created a **Thick-Client GUI** application made with **Tkinter** using the **extreme programming** methodology
  - Leveraged communication skills to provide **consulting** on issues like **feasibility** and **functionality**
- **PetroEd**   Houston, Texas
  Programming Intern - Business Process   *Jun 2018 - Aug 2018*
  - Developed customer-facing tool to receive proposals utilizing **HTML**, **CSS**, and **JavaScript** under a **SCRUM** framework
  - Created an interactive district map utilizing **web frameworks** alongside a **PostgreSQL** backend to internally showcase company revenue in various districts in Texas

Leadership

- **Student Engineers' Council**   College Station, TX
  Systems Administration Co-Chair   *Nov 2021 - Present*
  - Performed website maintenance for 14 sites across multiple languages, frameworks, and technologies, including **MERN stack** applications, **ASP.NET**, **HTML/CSS/JavaScript**, and deployments with **Heroku** and **AWS**
  - Responsible for all electronic/digital services for SEC, which represents over **20,000 students**
  - Chair of a 14-person committee – overhauled **project management** structure with a focus on **agile development**, drastically improving member involvement and productivity
- **Asian President's Council**   College Station, TX
  Secretary   *April 2020 - May 2021*
  - Oversaw **24 Asian cultural organizations** on campus and pushed for more united collaboration from all constituent organizations
  - Initiated *RepresentAsian*, a program aimed to increase the Asian representation in student government, leading to the **most diverse** Student Senate in Texas A&M history

Projects

- **Food Frenzy**   *Tools Used: React, Node.js, Express.js, Heroku*
  - Developed a web application in **React.js** and deployed with **Heroku** to deliver a more fun, interactive experience of deciding where to eat
  - Utilized **Express/Node** to make API calls in a functional backend receiving restaurant data to be sent to the frontend.