

Jeremy Phill

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PROFESSIONAL EXPERIENCE

Software Engineer Intern, Tech Mahindra (Plano, Texas)

May 23 - Aug 23

- Utilized React.js to design a dynamic UI, facilitating student access to concise notes and quizzes from detailed lectures.
- Trained GPT-3 on a dataset with lecture materials and common filler words, optimizing text summarization and note extraction.
- Utilized AWS to implement multi-level caching, horizontal scaling, and Load Balancing to improve application scalability.
- Technologies used : Express, GPT-3, JavaScript, Material UI, NLP, OpenAI API, React, Redux, TensorFlow

Software Development Engineer, Accenture (Bengaluru, India)

June 20 - May 22

- Led a 4-member team as a seasoned SME for Marriott reservation system, handling client calls and representing offshore teams.
- Responsible for the build of an inventory management portal which went live across **1300+ Marriott hotels** worldwide.
- Delivered 33% increase in **Marriott.com's** uptime by migrating clients legacy code to JavaScript and designing 25+ microservices.
- Closed over 250 Git issues and reviewed 200+ merge requests, leading to a 30% boost in code quality.
- Technologies used : CI/CD, Git, Express, JavaScript, JSX, ES6+, Node.js, Restful APIs, Microservices Error handling, NPM, Swagger

ACADEMIC PROJECTS

HyperVisor Prototype : C++ | Virtual Machine | [\(project link\)](#)

- Developed a hypervisor using C++, enabling efficient creation, management, and replication of virtual machines.

Algorithmic Bot for IntraDay Trading : Flask | Python | [\(project link\)](#)

- Delivered consistent 4-6% monthly returns with 60+ winning trades on NSE, all executed algorithmically.

Decentralized Platform for Counterfeit Drugs : React | JavaScript | PhP | Laravel | SQL | [\(project link\)](#)

- Led a team to build an *android app* and a *responsive website* catering to needs of five diverse user personas of pharma Industry.
- Conducted UI testing with *Espresso* and load testing using *JMeter*; identified and resolved *memory leaks* improving app stability.
- Reached **150+ Downloads** on Play Store and won India's Biggest Software Hackathon with **4000+** participants.

Smart Collaboration Tool for Influencer : JavaScript | Rest APIs | PostMan | [\(project link\)](#)

- Developed Collaborative Filtering algorithm bosting recommendation; APIs to evaluate Instagram metrics, bosting collaboration.
- Leveraged Room Database for efficient local data storage and Retrofit for streamlined data retrieval from *REST web services*

Robot Simulation on Cloud : AWS | Docker | MongoDB | React JS | [\(project link\)](#)

- Built website using *MERN* ; Integrated backend using *MongoDB* for RoboMaker logs and Amazon RDS for registered robots.
- Achieved a 80% decrease in issue resolution time by integrating AWS CloudWatch with Docker for container monitoring.

TECHNICAL SKILLS

Programming Languages : C/C++, Java,, JavaScript, Python, Ruby

Web Technologies : Angular, Bootstrap, Express, ES6+, JQuery, GraphQL, React, Redux, Webpack

Databases : Postgres, SQL, MongoDB

Python Libraries: Pandas, NumPy, Tensorflow

AWS Cloud : CloudWatch, RDS, S3, Lambda, API Gateway, EC2

Other Technologies : Agile, McOS, Git, Jira, MS Office, Linux/UNIX, OkHttp, Scrum, Retrofit 2, Mockito, Selenium

EDUCATION

M.S., Computer Software Engineering, San Jose State University, California

Expected May 2024

Relevant Coursework: Enterprise Application Development, Software Quality Assurance, Web UI Design and Development

Specialization - Cloud Computing | (Participated in IBM Jumpstart Program)

B.E., Computer Science, Nagpur University, India

Aug 16 – Jul 20

Relevant Coursework: Analysis and Design of Algorithms, Operating System, Object Oriented Programming using Java
