

Vidyut Venkatesan

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SUMMARY

Highly motivated and dedicated Software Engineering student with a strong foundation in computer science and a passion for developing innovative software solutions. Eager to apply classroom knowledge to real-world challenges and contribute to cutting-edge projects. Quick learner, excellent problem-solver, and a team player. Committed to keeping up with the latest tech trends and forever honing those programming skills.

- Second place winner in the CodeQuest2023 Hackathon.

EDUCATION

Bachelor of Software Engineering

RMIT University, Melbourne.

Feb 2022 – Nov 2025

TECHNICAL SKILLS

Programming Languages: Python, JavaScript, TypeScript, Java, C++, C#

Web Development: ReactJS, Django, HTML, CSS, Bootstrap, SpringBoot, Javalin

Databases: MySQL, SQLite3, DynamoDB

Others: REST APIs, Docker, Version Control, Git, GitHub, AWS EC2, AWS ECR, AWS S3, Agile Development, NumPy, Pandas, Communication, Axios, JWT, Unit Testing, Problem Solving, Continuous Integration (CI), Continuous Delivery (CD), Apache Web Server, Nginx

EXPERIENCE

RMIT Information Security Collective (RISC)

Website Admin

Feb 2024 – Present

Roles and Responsibilities:

- Collaborated closely with fellow club members to gather requirements and craft a polished club website, showcasing attention to detail.
- Orchestrated project timelines, delegated tasks, and established milestones to foster teamwork and ensure timely completion of deliverables.
- Maintained an eye on website performance, proactively addressing any issues and making enhancements with a focus on analytical skills and continuous improvement.

PROJECTS

SUPERPRICE: SpringBoot and React grocery shopping web app.

<https://github.com/Vidyut03/Superprice>

Responsibilities and Achievements:

- Led a dynamic team of 5, adhering to Scrum and Agile methodologies, completing three sprints within two months.
- Constructed a Java-based backend utilizing the SpringBoot framework.
- Crafted a TypeScript and React frontend, incorporating Bootstrap.
- Implemented MySQL database for efficient data storage and retrieval.
- Developed REST API endpoints for seamless communication between frontend and backend, managing API calls with Axios.
- Gained proficiency in Scrum methodology and technical protocols.
- Cultivated teamwork and leadership skills through collaborative project development from inception to completion.

- **Tools and languages used: Java, TypeScript, SpringBoot, ReactJS, Bootstrap, REST APIs, Docker, AWS ECR, AWS Beanstalk, GitHub Actions, MySQL, Git, JPA.**

Music Subscription Website using Serverless Backend.

Responsibilities and Achievements:

- Constructed a user-friendly website enabling account creation for seamless song searching and subscription.
- Leveraged ReactJS with TypeScript for frontend development, incorporating Bootstrap and TailwindCSS.
- Engineered a serverless backend via AWS Lambda functions, integrating REST APIs through AWS API Gateway for seamless frontend-backend communication.
- Stored user and music data efficiently using AWS DynamoDB..
- Gained comprehensive understanding and proficiency in various AWS services.
- **Tools and languages used: ReactJS, AWS DynamoDB, AWS S3, AWS EC2, Apache Web Server, AWS Lambda**

Full Stack Todo Web App with User Authentication Hosted on AWS.

<https://todo.vidyutvenkatesan.com/>

Responsibilities and Achievements:

- Developed the backend utilizing the Django framework.
- Utilised an SQLite3 database to store and retrieve user data.
- Developed the frontend user interface using HTML and JavaScript.
- Hosted the web app on an AWS EC2 server using Nginx to direct traffic to the site.
- Acquired an SSL certificate to allow for a secure HTTPS connection.
- **Tools and languages used: Python, Django, HTML, JavaScript, Bootstrap, Amazon EC2, Nginx, SQLite3.**

VOLUNTEERING

RMIT Google Developer Student Clubs (GDSC)

Mar 2024 – Present

Team Member

Roles and Responsibilities:

- Collaborate with team members to plan, organize, and execute various events aimed at individuals with varying levels of technical expertise.
- Foster a culture of mutual support and encouragement by providing guidance and mentorship to peers, promoting teamwork and collaboration.
- Act as a liaison between the club and external stakeholders, including industry professionals, alumni, and other student organizations, to create networking opportunities and promote community engagement.