

# Akash Savanur

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## EDUCATION

### Nanyang Technological University, Singapore

*Bachelor of Engineering in Computer Science, Second Major in Business*

CGPA: 4.84/5.00

*Aug 2023 – July 2027*

### Relevant Coursework

*Data Structures and Algorithms, Data Science and Artificial Intelligence, Digital Logic, Financial Management*

## EXPERIENCE

### Full Stack Development Intern

*DoozieSoft*

June 2024 – July 2024

*Bangalore, India*

- Engineered a full-fledged temple management website using the PERN stack (PostgreSQL, Express, React, Node.js).
- Designed and deployed 15+ microservices, reducing API response times by 40%, and handled over 2000 user registrations and 500+ payments through Razorpay with a 98% success rate.
- Integrated WhatsApp APIs for OTP generation and notifications, enhancing user authentication and engagement, along with automated audit logs and receipt generation for secure transactions.
- Managed the deployment process on AWS services, ensuring high scalability and reliability of the application, and maintained robust version control using GitHub.
- Registered over 2000 users within the beta phase, facilitated by efficient event booking and donation management features, contributing to high user satisfaction and engagement.

### Phishing Email Detection using Machine Learning

*Nanyang Technological University*

Apr 2024 - May 2024

*Singapore*

- Designed a Machine Learning solution to accurately classify and detect phishing emails, providing practical insights to prevent individuals from falling victim to phishing attacks in real-world scenarios.
- Utilised Logistic Regression, Random Forest, GRU Neural Network and SVM machine learning models.
- Best-performing model had an F1-score of 0.97.
- The findings of this project have practical implications in real-world scenarios, where individuals can use the developed model to identify and avoid phishing emails, thereby reducing the risk of falling victim to cyber attacks.

### Software Engineering Intern

*Excelsoft Technologies Pvt Ltd*

Apr 2022 – May 2022

*Mysore, India*

- Collaborated with a team of 5 developers to design and implement an employee attendance system; collaborated with system engineers, testing and QA for final delivery.
- Designed a facial recognition system using PyTorch and utilised the Django framework for implementation.
- Utilised four Machine Learning models and frameworks; Implemented convolutional neural networks and deep learning algorithms to optimise the model.

### Project Leader

*New York Academy of Sciences (NYAS)*

Nov 2021 – Jan 2022

- Led a team of 4 in the NYAS Telemedicine challenge; designed a mobile application aimed at tackling problems related to telemedicine diagnosis; enhanced data analytics competencies.

## TECHNICAL SKILLS

**Languages:** Java, Python, C/C++, SQL (Postgres), JavaScript, HTML/CSS, R

**Frameworks:** React, Node.js, Django, Redux, Express, Material-UI, MongoDB

**Developer Tools:** Git, Google Cloud Platform, VS Code, Visual Studio, PyCharm

**Libraries:** pandas, NumPy, Matplotlib, Seaborn, Scikit-learn, PyTorch, Flask

## BUSINESS/FINANCE SKILLS

- NPV, IRR, MIRR, WACC, Equity markets, Bond markets, Portfolio analysis, Corporate Finance, Investments, Marketing