# DEEMAL VIDARSHANA

Computer Engineering
(Undergraduate)

## Personal Details

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- 🏠 KANDY
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- ⌥ github.com/deemalvidarshana

## Achievements ⬈

- IEEEXtreme 18.0 - **2nd runner up** (Jaffna branch) | 48th (Sri Lanka)
- MoraXtreme 9.0 - **20th place** of 382 teams
- Coders V11.0 - participants.

## CERTIFICATIONS ⬈

- **GitHub Actions** certification
- Preparing for Google Cloud Certification: **Cloud Engineer** Professional Certificate

## TECHNICAL SKILLS

- **Programming Languages**
  Java | Python | JavaScript | C++ | CSS
- **Database Systems**
  MySQL | MongoDB
- **Frameworks**
  React.js | Express.js | Spring Boot
- **Project Management Tools**
  GitHub | Jira | Postman

## References

**Dr. P. Jeyananthan**
**(Head of the Department)**
University of Jaffna
pratheeba@eng.jfn.ac.lk

**Dr. J . Jananie (Senior Lecturer)**
University of Jaffna
jananie@eng.jfn.ac.lk

## Profile Information

I am a Computer Engineering undergraduate at the University of Jaffna, specializing in Computer Engineering. Seeking an internship to apply technical skills and gain hands-on experience in real-world projects.

## Education

- **BScEngHons specializing in Computer Engineering**
  *Faculty of Engineering, University of Jaffna*
  Current GPA: 3.00/4.00 *(2021 - present)*

- **G.C.E. Advanced Level Examination**
  *Poramadulla Central Collage*
  *Z-Score: 1.5481 (2019)*

## Projects ⬈

- **Blog Application | Individual | ⌥**

  Developed a feature-rich blog application where the admin can create, delete, edit, and search blog posts. Users can view, like, and dislike blog posts, with a fully responsive design for optimal user experience across devices.
  **Tech Stack: MongoDB | Express.js | React | Node.js**

- **Chatbot for Information Retrieval | Individual | ⌥**

  Developed a chatbot that uses PDF document content to answer user questions accurately. Built with a custom prompt to ensure concise, context-specific responses.
  **Tech Stack: Flask | LangChain | PyTorch**

- **Lecture Hall Booking System | Group | ⌥**

  Developed for efficient lecture hall reservations, this system includes secure user authentication with role-based access, lecture hall management, booking and cancellation, waiting list, calendar view for availability, and email notifications for confirmations and cancellations.
  **Tech stack: JavaScript | React | Spring Boot | MySQL**

- **Mailify | Individual | ⌥**

  Developed and deployed a web app for email management, enabling users to send, view, edit, delete, search, and organize emails into custom folders for easy categorization.
  **Tech stack: HTML | CSS | PHP | MySQL**

- **Load Balancing Evaluation | Research**

  Evaluated Least Connections and Least Response Time algorithms in a virtual cloud setup using HAProxy and JMeter to analyze performance metrics.
  **Tools: VirtualBox | HAProxy | JMeter | htop (ongoing)**