

Avanthika PG M.Sc., SOFTWARE SYSTEMS (Integrated)

 avanthikapg22@gmail.com

 avanthika-pg

PROFILE

A dedicated learner committed to advancing skills in software, hardware, and data, with a strong passion for creativity and innovation. Actively seeks opportunities to expand knowledge in data analysis and apply data-driven solutions to drive growth.

PROFESSIONAL EXPERIENCE

Web Developer Intern, ARIS. [Apr 2024 - Sept 2024]

Assisted in designing, developing, and maintaining responsive web applications. Collaborated with cross-functional teams to implement interactive features, ensuring optimal user experience across devices. Gained experience in both front-end and back-end technologies, contributing to scalable, accessible, and high-quality web solutions.

EDUCATION

M.Sc., Software Systems

Coimbatore Institute of Technology

2022 – present

CGPA - 8.11 (until V semester)

Grade 12

Avila Convent Mat. Hr. Sec. School

2021 – 2022

Percentage: 91.33%

Grade 10

Avila Convent Mat. Hr. Sec. School

2019 – 2020

Percentage: 79.8%

SKILLS

- **Languages:** Python, Java
- **Web Technologies:** HTML, CSS, Javascript
- **Frameworks:** Bootstrap, Django, ReactJS, NodeJS
- **Database:** MySQL, MongoDB
- **Build and version control Tools:** GitHub, Git
- **Development Tools:** VS Code, Weka, Rstudio, Figma, Canva
- **Soft skills:** Communication skill, Leadership quality, Teamwork, Critical thinking, Problem Solving

INTERESTS

- MERN Stack
- Software development
- Database development
- Data analysis

 Coimbatore,Tamil Nadu

 PGAvanthika

PROJECTS

CINEMA [MongoDB, Express.js, React.js, Node.js]

Developed a full-stack movie booking app using the MERN stack with RESTful APIs for admin and user functionalities. Admins performed CRUD operations to manage movies, theaters, and seats, while users viewed listings, selected seats, and booked tickets. The app featured a user-friendly interface, dynamic seat selection, and real-time updates.

KASE BANK ATM [JavaFX, PostgreSQL, Java]

Designed and implemented an ATM simulation for KASE BANK, ensuring seamless user transactions and robust financial operations. Users can log in using either their account number or a generated QR code mimicking the ATM card in real time.

OPINION MINING [LSTM network]

Developed an opinion mining system using the Amazon Food Reviews dataset to classify reviews as positive, negative, or neutral. Leveraged LSTM networks in TensorFlow and Python, with NLTK for text preprocessing, to achieve accurate sentiment classification. The model offers insights for better decisions and customer satisfaction.

Predictive Hiring for Graduates [R- Ongoing]

Developing a data-driven analysis of student placement outcomes integrating a Resume ATS Score API with resume scores, internships, and aptitude test performance. Using five years of data, students are categorized by employability factors, and placement probabilities are analyzed. Exploring correlations between academics and experience to generate career insights, with data visualizations enhancing findings and recruitment strategies.

ROLES

- Secretary, Fit India Club of CIT
- Associate Director, Student Developer Cell of CIT
- Joint Secretary, Google Developer Student Club of CIT

CERTIFICATES

- SQL(intermediate) certification,HackerRank 
- REACT(Basic) certification,HackerRank 
- Winner of Tech Hunt, Gateway-25, PSG Arts and Science College
- Hackathon, Melinia 25 – CIT – Completed 2 out of 3 rounds.
- Participated in Code Titans: Battle of brilliance by Engiversee 