

THIRUWIN KARTHIK S

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Objective:

Aspiring software engineer with a strong foundation in Computer Science and Engineering and hands-on experience in developing and deploying robust applications. Seeking to leverage my technical skills and innovative mindset to contribute to product development at a forward-thinking tech company.

Area of Interest:

- **Advanced Java**(SpringBoot)
- **Web Development** (Frontend, Backend, Web Framework)

Education:

Bachelor of Engineering in Computer Science | Dr. Mahalingam College of Engineering and Technology, Pollachi

Expected May 2027 | Currently Pursuing

HSC | Palani Gounder Higher Secondary School, Pollachi

March 2023 | 83.67%

SSLC | Arokia Matha Matric Higher Seconday School, Pollachi

April 2021 | PASS

Skills:

Technical Skills:

- **Programming Languages:** Java, Python
- **Tools & Technologies:** Git
- **Database Management:** MySQL, MongoDB
- **Frameworks:** React, Node.js, Spring Boot
- **Version Control:** Git

Soft Skills:

- **Communication:** Excellent verbal and written communication.
- **Problem-Solving:** Analytical Thinking, Root Cause Analysis.

Projects:

Future Skill & Tech-Stack Obsolescence Predictor (React, FastAPI, NLP, Machine Learning)

Built an AI-driven system that forecasts future demand and obsolescence risk of technology skills using real-world data from job portals, open-source repositories, and research sources. Implemented a daily data pipeline to fetch, process, and store data, used NLP models to extract skills and job roles. Visualized insights via a React dashboard and exposed predictions using FastAPI.

Portfolio (React js)

Built a dynamic and responsive portfolio website using React, showcasing projects and skills in a visually appealing user-friendly interface. Deployed the application in (<https://delicate-smakager-2190e0.netlify.app/>) to showcase professional work.

Online Loan Maker Platform (React js, Spring Boot, Python, MySQL)

Developed a full-stack fintech loan marketplace that allows users to enter asset details and receive AI-based loan eligibility and bank recommendations. Built secure REST APIs with Spring Boot and JWT authentication, implemented role-based dashboards for users and admins, and managed loan, asset, and user data using MySQL. The platform supports loan comparison, application tracking, and administrative reporting.

🔗 Live: (<https://loan-maker.netlify.app/>)

Internships:

NEHA SOLUTIONS – Web Development Intern [Pollachi]

June 2025

- Worked on the Web development of a web-based applications.

Certifications:

- Certified in The Fundamentals of Python (SpringBoard).
- Certified in The Networking Essentials (Cisco)

Achievements:

- Secured 1st place in an Inter-College Coding Event.

