

# STEVE JACHIN PENIEL S

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## PROFESSIONAL SUMMARY

I am an Ambitious Computer Science Engineering student at Karunya University, specializing in Artificial Intelligence and Machine Learning. Currently expanding skills in Web Development with a focus on integrating AI/ML technologies. Committed to continuous learning, innovation, and excellence in cutting-edge tech domains.

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## WORK EXPERIENCE

### Next24tech Technology & Services LLP

MAY 2024 - JULY 2024

Web Development Intern

- Developed and deployed three web projects: a personal portfolio, an e-commerce site, and an e-learning platform. Streamlined project workflows, enhancing overall efficiency by 25%.
- Built responsive user interfaces and integrated dynamic content sections like product listings and course catalogs.
- Implemented interactive features such as contact forms, media handling, and user-focused functionality.

### White And Box - Tech Products & Services

JUNE 2025 - July 2025

Artificial Intelligence and Machine Learning Intern

- Developed a Large Language Model (LLM) for employee data management and intelligent querying using Hugging Face transformers with fine-tuning.
  - Built NLP pipelines for dataset preparation, tokenization, training, evaluation, and a terminal-based query interface for real-time responses.
  - Collaborated in an agile team with onsite experience in Bengaluru, gaining expertise in Python, PyTorch, model optimization, and teamwork with senior AI engineers.
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## PROJECTS

### IOT-Enabled Pressure Monitoring And Alert System

- Developed an IoT-based wearable device using Arduino Uno and water sensors to monitor underwater pressure in real time and detect abnormalities.
- Triggered audible alerts via a buzzer to enhance user safety, enabling timely response to hazardous pressure conditions.

### SOCIIFY: A DATABASE-DRIVEN SOCIAL MEDIA PLATFORM FOR INTERACTIVE USER ENGAGEMENT

- Developed a full-stack social media web application replicating key features of platforms like Instagram, including user authentication, post creation, likes, comments, follow/unfollow, and real-time search.
  - Gained hands-on experience in secure authentication, RESTful API design, cloud-based media handling, responsive UI/UX, and full-stack deployment using modern web development practices.
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## EDUCATION

Karunya Institute of Technology and Sciences  
BTech CSE (AIML)

AUG 2024 – JULY 2027  
CGPA : 7.46

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## TECHNICAL SKILLS

- **Programming Languages:** Python, Java
  - **Tools & Operating Systems:** Windows, Google Colab, Jupyter Notebook, Git
  - **Frameworks Libraries:** OpenCV, Pandas, NumPy, Scikit-learn
  - **Web Development:** HTML, CSS, JavaScript, MERN Stack
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## CERTIFICATIONS / LANGUAGES

- NPTEL IITM Certification - English Language for Competitive Exams
  - Google Certification - Foundations of Cybersecurity
  - UiPath Certification - Foundations of UiPath
  - Languages – English, Tamil, Hindi
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## LEADERSHIP & EXTRACURRICULAR

- **Photographer – Rotaract Club:** Working as a photographer for the Rotaract Club of Karunya University, capturing and curating high-quality visual content for events, social media, and official communications. Collaborated with the media team to enhance the club's visual storytelling, boost engagement, and support branding efforts helping the club gain wider recognition.