# Chinmay S Neelagiri

Bengaluru, Karnataka 560083
9686517442 csneelagiri2020@gmail.com LinkedIn GitHub Portfolio

## Education

**Global Academy of Technology** ***Aug 2023 – 2027***
*BE in Electronics and Communication Engineering* **Bengaluru, Karnataka**
CGPA: 7.84

## Certifications

- Microsoft Certified: Azure AI Fundamentals
  View Credential
- Artificial Intelligence with Microsoft Azure – InternForte
  View Certificate
- Full Stack Web Development – InternForte
  View Certificate

## Projects

**Algo Trading Execution Platform** *(Prototype)*
*Node.js, TypeScript, Fastify, PostgreSQL, Prisma, Next.js, React*

- Developed a backend system that processes **TradingView webhook signals** for automated trade execution.
- Integrated broker APIs with mock broker support for controlled testing of trade flows.
- Designed order validation logic, execution state handling, and structured logging mechanisms.
- Wrote automated tests to validate critical trade execution paths.

**Breast Cancer Histopathology Classification** (Deployed ML Application)
*TensorFlow, Keras, CNN, Google Colab, Scikit-learn, Matplotlib*

- Trained a Convolutional Neural Network on **50K+** histopathology images and achieved **87%** classification accuracy.
- Performed preprocessing, augmentation, and class balancing to improve model stability and generalization.
- Saved and loaded trained models using the `.keras` format for reusable inference and deployment.
- Built an end-to-end inference pipeline to classify unseen medical histopathology images.

**AarambhGann – Trading Indicator & Strategy Platform**

*PHP, HTML, CSS, JavaScript, TypeScript, n8n, Razorpay API*

- Built a production-ready web platform allowing users to purchase proprietary trading indicators and strategies.
- Integrated **Razorpay API** to handle secure payments and automate purchase confirmation flows.
- Implemented backend automation using **n8n** for user onboarding and transactional workflows.

**Customer Insurance Prediction** (Deployed ML Application)
*Python, Scikit-learn, Pandas, Matplotlib, Joblib*

- Implemented multiple classification models to predict customer insurance purchase behavior.
- Generated and displayed prediction outputs from all trained models for side-by-side result comparison.
- Serialized trained models and scalers using `.pkl` files to enable reusable inference without retraining.

## Skills

**Languages:** Python, Java, JavaScript, TypeScript, PHP, C++, HTML, CSS
**Frameworks / Libraries:** TensorFlow, Keras, PyTorch, Scikit-learn, Flask, Fastify
**Databases & ORM:** PostgreSQL, SQL, Prisma
**Automation & Integration:** n8n, REST APIs, Webhooks
**Frontend:** React, Next.js, Tailwind CSS
**Tools:** Git