

EDUCATION

CHRIST UNIVERSITY, BANGALORE | Master of Computer Applications (MCA) | CGPA: 9.23/10 [Jun '22 – May '24]

- **Core Committee Member, GATEWAYS** National Science Fest with 500+ participants, effectively led and managed a team of 200+ volunteers
- **Competitive Programming Lead, GDSC:** Organized workshops and competitions for 100+ students, encouraging peer-to-peer learning
- **Published Research: Multimodal Meeting Analysis** an AI approach using speaker diarization in **ICCICT 2024 (ISBN: 9788196630669)**
- **Runner-Up (2/300)** in a 24-hour **Intel OneAPI hackathon**, engineered a lung cancer prediction system utilizing ensemble technique ([Link](#))

CHRIST UNIVERSITY, BANGALORE | Bachelor of Computer Applications (BCA) | CGPA: 9.55/10 [Jun '19 – May '22]

- **National winner (1/450+)** of **The Big Bot League 3** hackathon by **EdgeVerve (Infosys)**, focused on developing an RPA automation solution
- **Placement Coordinator:** Delivered a **5% increase in number of on-campus recruiters** by reaching out and liaising with HR personnel
- **Certifications:** AWS Academy Graduate in Cloud Foundations | Microsoft Technology Associate in Security Fundamentals ([Credly Profile](#))

WORK EXPERIENCE

ATHENA EDUCATION | SENIOR ENGINEER | ML ENGINEER [Jun'24 – Present]

- Delivering scalable AI/ML solutions to effectively meet diverse client needs, specializing in developing applications that drive client success*
- Tools and Frameworks:** Python | Streamlit | LangChain | TensorFlow | YOLO | AWS | FastAPI | NGROK | Socket.IO | Figma | PyCaret
- **Engineered ML applications** like emotion recognition (classroom engagement), pose detection (basketball trackman), medical imaging (disease detection), and music generation (mental therapy), applied **optimal memory management** resulting in smoother performance
 - **Enhanced scalability by integrating AWS/FastAPI**, optimizing performance to support diverse, high-demand environments seamlessly
 - **Refined ML models with cross-functional teams**, aligning business goals through client feedback and data analysis for user satisfaction
 - Improved UX with full-stack deployments using Streamlit/Flask, NGROK, and Socket.IO, **raising accessibility and engagement** by 20%
 - **Improved reliability** by leveraging TensorFlow, MediaPipe, PyTorch, and LangChain frameworks to create scalable, high-performing apps

BNP PARIBAS | APPLICATION DEVELOPER | INTERN [Jan'24 – May'24]

- Worked on predictive modeling and data visualization solutions to optimize trading insights and expedite decision-making processes*
- Tools and Frameworks:** Python | TensorFlow | PostgreSQL | MySQL | Django | JavaScript | jQuery | Confluence | JIRA | Bitbucket
- Regulatory Volume Predictor** [2 Months]
- Developed a ML model to predict trading volumes in equities with 90% accuracy using 160+ factors enhancing data-driven decision-making
 - **Optimized neural network architecture** with hyperparameter tuning using Keras **RandomSearch Tuner**, improving model efficiency
 - **Reduced person hours by 90%** by automating data cleaning and data feeding for ML model to analyze data to **identify fail-first test cases**
 - **Collaborated with UX team and users to develop UI** to show ML model output in human readable format to **boost user engagement**
- ServiceNow Analytics Dashboard** [3 Months]
- **Developed an interactive analytics dashboard** using Django to streamline analysis of incidents and change requests from ServiceNow DB
 - **Improved user engagement and operational insights** by effectively utilizing Chart.js to create dynamic and interactive visualizations
 - Reduced data analysis process time to 1 day from 5 days by eliminating usage of excel by **developing API and DB layer for data processing**
 - **Created user stories and sub-tasks in JIRA dashboard** to be divided between 6 team members, monitoring progress of module features
 - Reduced **recurring user queries by 80%** (1/6) by creating a FAQ document using confluence which addressed user problems and queries

HIH7 WEBTECH PVT LTD | ANDROID DEVELOPER | INTERN [Dec'21 – Apr'22]

- Led comprehensive enhancements to application UI, significantly improved network stability, and optimized software development efficiency*
- Tools and Frameworks:** Flutter | Git | Firebase | Rive | Figma | MS Office | Postman | REST API | GitHub Actions
- **Increased user engagement by 30%** by building custom UI elements, and leveraging Rive's capabilities to enhance user engagement
 - **Identified customer pain points** by conducting 50+ **customer review sessions** and proposed 10+ feature improvements increasing DAU
 - **Identified customer requirements**, created UI mock ups for customer review and conducted efficient **A/B testing** of UI layouts
 - **Optimized the software development lifecycle by creating BRDs**, leading to greater clarity and efficiency throughout project phases

REVMEUP | ANDROID DEVELOPER | INTERN [Feb'21 – Apr'21]

- Enhanced application performance, optimized functionalities, and elevated user satisfaction through proactive debugging, and resolution*
- Tools and Frameworks:** Java | Git | Android Studio | MongoDB | Postman | Trello | Firebase | REST API | Figma | Google Crashlytics
- Reduced network errors by 20% through working with **custom APIs handling MongoDB** and rigorously testing them using Postman
 - Optimized customer list screen to **address slow scrolling** by updating deprecated ListView, **reducing loading time** from 500ms to 16ms
 - Configured Firebase **performance monitoring alerts** for CPU, battery usage, performed **RCA and optimizations**, increasing CSAT by 25%
 - Identified lack of user understanding of star rating scale and developed emotion-specific star icon to **improve contextual accuracy** of rating
 - Integrated Google Crashlytics, generating actionable insights to **reduce bug resolution and deployment time** from 8 hours to 4 hours
 - Improved app stability by 30% through resolving issues and **integrating third-party libraries like Picasso, Glide, Retrofit, Crashlytics**

SKILLS

- AI/ML Techniques:** Deep Learning (CNN, RNN, GANs) | Computer Vision (Object Detection, Pose Estimation) | NLP (Sentiment Analysis)
- ML Frameworks & Libraries:** TensorFlow | PyTorch | Keras | MediaPipe | OpenCV | Scikit-learn | PyCaret | Librosa | Flask | Django
- ML Ops & Deployment Tools:** LangChain | MLflow | FastAPI | AWS | Streamlit | NGROK | Socket.IO | Android Studio | Flutter | Postman
- Programming Languages & Databases:** Java | Python | C | JavaScript | Dart | Oracle SQL | MySQL | MongoDB | PostgreSQL | Firebase
- Project Management & Collaboration:** Jira | Git | Bitbucket | SharePoint | MS Office | Airtable | Confluence | Trello | Google Analytics
- Soft Skills:** Team Leadership (Led 30+ AI projects) | Critical Thinking (Applied in Model Optimization) | Decision-Making (Client Management)

EXTRA CURRICULAR

- Received **Award of Excellence** for Outstanding Presentation Skills and **Best Speech Award** in Zeal Life Skills Training Program (2019)
- Attained **5th Kyu (Purple Belt)** in Seishinkai Shito-Ryu Karate (2017); competed in 3 **National Karate Championships** (2012, 2014, 2016)