BAKNAI BASUMATARY

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SUMMARY---

M.Tech in Computer Science student at Christ University with expertise in full-stack development, AI-driven solutions, and cybersecurity. Strong foundation in Python, ReactJS, and cybersecurity tools like IDS, firewalls, and penetration testing. Passionate about integrating AI with cybersecurity to develop innovative solutions.

KEY-SKILLS---

Programming Languages: Python, JavaScript, Java, C, SQL
Full Stack Development: ReactJS, Next.js, Node.js, Express, Django, REST API, WebSockets
Artificial Intelligence and Machine Learning: Pandas, NumPy, TensorFlow, Scikit-learn, Model Evaluation
Cybersecurity: IDS, Threat Detection, Firewalls, VPN, Snort, Metasploit, Wireshark, SQL Injection, PKI
DevOps and CI/CD: Docker, Kubernetes, Jenkins, GitHub Actions
Database Development: SQL, MongoDB, PyMongo

EXPERIENCE---

- TechVariable, Guwahati, Assam -Software Development Intern, Developed a web app using React.js, optimizing component reusability and improving load times by 30%. Integrated REST APIs and WebSockets for real-time data updates.
- Freelancing (Fiverr | Upwork) -Python Developer, AI Service (prompt Engineering and Generative AI), Full-Stack (MERN stack) development, delivering projects with 99% client satisfaction.
- Completed hands-on Cyber Security Course in CDAC Bangalore - use tools like wireshark, snort, Metasploit and Burp Suite.

PROJECTS--

- **Stock Market Prediction Tool (Python)**:Engineered an advanced machine learning system leveraging predictive analytics to enhance intraday trading strategies.
- Bodo Language Modeling **(NLP Model)**: Developed an AI-driven NLP model to generate and refine text in the Bodo language, improving language representation. - University Project
- Real-Time Full-Stack Chat Application **(Web App)**: Built a scalable, real-time communication platform using MERN stack and WebSockets for seamless interactions. - Internship Project
- **Automated Cybersecurity Threat Detection System:** Designed a lightweight AI-based intrusion detection system to identify potential threats in real time, Achieved 95% accuracy in detecting cyber threats. - University Project

ACHIEVEMENT--

- Paper Presentation at 5th Congress on Intelligent Systems (CIS 2024) - *Machine Learning Models for SMS Spam Detection: An Analytical Review*

EDUCATION---

Christ University, Bangalore
　　M.Tech, Computer Science and Engineering (June 2025 - Present)

Central Institute of technology, Kokrajhar
　　B.Tech, Computer Science and engineering (CGPA : 7.62)   (July 2019 - July 2023)

OTHER---

Language : Fluent in English, Hindi, Assamese
Soft-Skills: Critical Thinking, Problem-Solving, Collaboration, Attention to Detail