Chandan Thakur

+91 9894402722 | thakurchandan4562@gmail.com | chandanthakur.com

 chandanthakur4562 | chandu2640 | your-handle

Chennai, Tamil Nadu - 600078, India

OBJECTIVE

Dedicated Software Engineer seeking to pursue a Master of Science in Data Science to bridge the gap between software development and data-driven decision making. Aiming to leverage strong programming skills and software engineering experience to explore innovative ways of integrating data science methodologies into software solutions. Committed to advancing my expertise in machine learning, statistical analysis, and big data technologies to drive the development of intelligent, data-centric applications in industry.

EXPERIENCE

• Yubi [🌐]   *December, 2023 - Present*

Software Engineer   Chennai, India

◦ Led the migration of authentication systems from Auth0 to Keycloak, resulting in a 15% reduction in company costs while maintaining robust security protocols.

◦ Spearheaded the implementation of Role-Based Access Control (RBAC) across all Yubi company platforms, enhancing system security and user management efficiency.

◦ Demonstrated versatility by contributing to both frontend and backend development, ensuring seamless integration of authentication and authorization features.

◦ Currently leading a strategic initiative to migrate legacy Ruby on Rails codebase to Java, improving system performance and maintainability.

• Yubi [🌐]   *Feb, 2023 - June, 2023*

Software Engineer Intern   Chennai, India

◦ Gained hands-on experience with backend systems, developing dummy projects to demonstrate proficiency in database management and system architecture.

◦ Contributed to the loans team, working on a high-stakes system responsible for sanctioning loans worth millions, enhancing understanding of financial technology and secure transaction processing.

◦ Utilized gRPC to work on InterOps, a common data storage unit, improving skills in efficient data communication and storage management across distributed systems.

• FuncBox [🌐]   *Jan, 2022 - March, 2022*

Frontend Developer Intern   Remote

◦ Designed and developed interactive web games with engaging gameplay and intuitive interfaces.

◦ Seamlessly integrated external APIs, ensuring secure data transmission and optimized frontend performance.

◦ Crafted responsive and visually appealing user interfaces, ensuring seamless user experience across various devices and screen sizes and implemented mobile-first design principles and CSS frameworks for optimal responsiveness.

• Everestwalk Groups [🌐]   *June 2021 - December 2021*

Frontend Developer Intern   Kathmandu, Nepal

◦ Designed and coded interactive, mobile-friendly user interfaces using React.js, ensuring a seamless user experience across various devices and screen sizes.

◦ Leveraged Redux for efficient state management and integrated asynchronous JavaScript to securely fetch and display data from backend APIs.

◦ Conducted comprehensive testing, debugging, and optimization, resulting in enhanced performance and a smoother user experience.

• Tanneri Chaso [🌐]   *January 2021 - April 2021*

Graphics Design Intern   Remote

◦ Crafted intuitive user interfaces for web and mobile applications, enhancing user interaction and satisfaction.

◦ Designed eye-catching posters and graphics for social media platforms, ensuring brand consistency and driving user engagement.

• **Mithila Wildlife Trust [⊕]**   *April, 2019 - May 2023*
Technical Coordinator   Remote

◦ Led snakebite awareness program, educating school children on snake conservation and effectively communicating complex ideas.

◦ Directed a documentary during COVID-19, highlighting local struggles and securing donations from UK organizations through impact-driven storytelling.

◦ Provided technical support and innovative suggestions for a reforestation project, enhancing collaboration with community forest teams.

◦ Analyzed survey data to uncover patterns, becoming the primary resource for technology-related tasks and data analysis.

◦ Led teams in conservation and community projects, improving communication and initiative.

EDUCATION

• **Vellore Institute of Technology**   *July 2019 - June 2023*
B.Tech - Computer Science and Engineering   Vellore, India

◦ GPA: 8.26/10.00

• **Mithila Institute of Technology**   *March, 2019*
Higher Study (+2)   Janakpur, Nepal

◦ Grade: 2.97/4.00

• **Don Bosco School**   *April, 2016*
Secondary Education   Janakpur, Nepal

◦ GPA: 3.40/4.00

PROJECTS

• **Emotion Detection with Key Facial Point Detection**   *August 2022 - November 2022*
Tools: Python, TensorFlow, OpenCV, Dlib   [⊙]

◦ Developed an emotion detection system by identifying and analyzing key facial points using convolutional neural networks (CNNs).

◦ Implemented TensorFlow and Dlib for facial landmark detection, achieving high accuracy in recognizing emotions.

◦ Created a user-friendly interface that visualizes detected emotions in real-time, enhancing user interaction and experience.

◦ Applied data augmentation techniques to improve the model's robustness and performance across diverse facial expressions.

• **Ecommerce for Cloth Store**   *Jan, 2022*
Tools: [List of tools and technologies used]   [⊙]

◦ Developed a dynamic ecommerce platform using PHP for backend logic, enabling secure transactions and efficient inventory management.

◦ Designed responsive and visually appealing web pages using HTML, CSS, and Bootstrap, ensuring a consistent user experience across devices.

◦ Implemented features such as product categorization, search functionality, and a user-friendly checkout process to enhance customer engagement.

◦ Integrated a secure payment gateway paypal and optimized the website for performance, resulting in faster load times and improved user satisfaction.

SKILLS

- **Programming Languages:** Python, Java, C/C++, JavaScript, Ruby
- **Web Technologies:** React, Angular, Spring Boot, Ruby on Rails
- **Database Systems:** MySQL, PostgreSQL, MongoDB
- **Data Science & Machine Learning:** Python, TensorFlow, Scikit-learn, Pandas, NumPy, Matplotlib
- **Cloud Technologies:** AWS, Firebase
- **DevOps & Version Control:** Kubernetes, Git

SCHOLARSHIPS

- **COMPEX Scholarship** *June, 2019*
Embassy of India
  ◦ Awarded a 100% scholarship, including accommodation, for pursuing a B.Tech degree.

- **Merit Scholarship** *April, 2016*
Mithila Institute of Technology
  ◦ Awarded a 100% tuition fee scholarship for 11th and 12th grades.

LEADERSHIP EXPERIENCE

- **Co-Founder** *June, 2019 - Present*
Incredible Mithila Pvt. Ltd [🌐]
  ◦ Developed the business idea and led the design and management of all aspects of the company
  ◦ Guided a team to successfully launch and operate the ecotourism business, achieving 110% profit and 80% growth in eco-friendly practices.
  ◦ Initiated projects to integrate sustainable tourism practices that align with cultural preservation and environmental conservation goals.

- **Menstrual Hygiene Initiative Lead** *Jan, 2018 - June, 2019*
Terai Region, Nepal
  ◦ Led efforts to provide access to sanitary pads in rural villages by collecting supplies from hospitals, donations, and professionals
  ◦ Launched and led a campaign to introduce handmade reusable sanitary pads, the first of its kind in the Terai region
  ◦ Conducted training sessions for women across villages, empowering them with skills to produce and use reusable sanitary pads

VOLUNTEER EXPERIENCE

- **Volunteer Fundraising and Relief Effort** *April 2017*
Local Community
  ◦ Volunteered in a fundraising program to support flood victims in nearby areas
  ◦ Assisted in delivering funds and essential food supplies directly to affected families

- **Snake Bite Awareness Instructor** *April, 2019 - May, 2019*
Mithila Wildlife Trust
  ◦ Educated over 300 people in the local community and schools on snakebite prevention and safety practices
  ◦ Increased public awareness of wildlife conservation through targeted safety education

CERTIFICATIONS

- **Introduction to Data Science** *August, 2024*
- **Fundamentals of Network Engineering** *August, 2024*
- **Front-End Web Development with React** *March, 2022*

REFERENCES

1. **Ramkumar Rajendran**
   Engineering Manager, Software Engineering
   Yubi
   Email: ramkumar.rajendran@go-yubi.com
   Phone: +91 9629978167
   Relationship: Manager

2. **Rajkumar S**
   Associate Professor Grade 1, Department of Information Security
   VIT University
   Email: rajkumars@vit.ac.in
   Phone: +91 9840058628
   Relationship: Professor

3. **Dev Narayan Mandal**
   President
   Mithila Wildlife Trust
   Email: dev@mwt.org.np
   Phone: +977 9817629229
   Relationship: Mentor