Shivam Kumar

B.Tech in Computer Science and Engineering
School of Studies of Engineering and Technology,
Guru Ghasidas Vishwavidyalaya, Bilaspur

Email: shivamprofessional1@gmail.com
Mobile: +91-9560326670
[LinkedIn](#)

EDUCATION

SOSET, Guru Ghasidas Vishwavidyalaya   Bilaspur, CG
Bachelor of Engineering in Computer Science and Engineering; CGPA: 8.32   Dec 2021 – Jun 2025

EXPERIENCE

Coforge Ltd.   Noida, U.P.
Software Developer Intern   May 2024 – Jul 2024
- Engineered an OCR-based invoice processing system using Python, OpenCV, and Tesseract, automating 70% of data-entry tasks and achieving ~89% data extraction accuracy.
- Augmented the OCR framework with AI techniques, reducing processing time by 30% and cutting error rates by 50%.
- Automated document workflow validation, eliminating manual review for ~80% of invoices and streamlining the accounts payable process.
- Executed comprehensive unit and integration testing (>90% coverage), ensuring robust component performance and early defect detection.

PROJECTS

Voxtream | Online Peer-to-Peer Video Calling Application | [Link](#)

- Engineered a **WebRTC-based** video calling platform with reliable connection setup and quality streaming, supporting up to 50 concurrent daily sessions.
- Implemented secure user authentication (e.g., JWT tokens) to protect sessions, improving overall connection success by ~15%.
- Designed a fault-tolerant architecture (stateless signaling servers with auto-restart), achieving 99.9% uptime during peak usage.

LoadVerify.AI | Loan Eligibility Predictor| [Github](#)

- Designed and developed a full-stack MERN web application integrated with **Firebase Phone Authentication** to securely verify users via OTP before form access.
- Trained and deployed a machine learning model in Google Colab using Scikit-learn, achieving **85% accuracy** on historical applicant data, including income, area of living, and education.
- Administering real-time loan eligibility prediction on form submission, with dynamic feedback and **error handling for invalid input cases**.
- Stored and organized **10+ user submissions** in **Firebase Firestore**, enabling admins to review application data through a structured dashboard interface.

Analyzer | Full-Stack Financial Analysis Platform | [Link](#)

- Architected a **microservices-based** market analytics platform in Node.js that ingests and serves real-time US stock data with >99% uptime.
- Developed a data pipeline (using Node) to fetch daily financial APIs and transform data; processed ~10,000 records per minute with high reliability.
- Leveraged MongoDB Atlas for data storage; implemented indexing and query optimization, improving database response times by ~40% under peak load.

TECHNICAL SKILLS

- **Languages & Frameworks:** C/C++, JavaScript (ES6+), Node.js, Express.js, Python, TypeScript
- **Databases:** MongoDB (Atlas), MySQL, SQL
- **Libraries:** React.js, NumPy, Pandas, Next.js, Flask, Tesseract OCR, NumPy, Pandas, Scikit-learn, OpenCV
- **Cloud & Tools:** AWS (EC2, S3, Lambda, IAM), Git, GitHub, Postman, Anaconda, Google Colab

ACHIEVEMENTS

- Achieved elite global ranking (968th position) in [TCS CodeVita](#), competing against 400,000+ participants from 65+ countries in this prestigious algorithmic programming challenge.
- Led 80+ GDSC Cloud Computing team members to Gold tier status in Google Cloud Study Jams 2023.