

# OJAS SHINDE

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## EDUCATION:

- **Master of Computer Applications (MCA) Visvesvaraya Technological University,**  
Belagavi, Karnataka Graduated: 2025 | CGPA: 9.02 / 10.0
  - **Bachelor of Computer Applications (BCA) Govindram Seksaria Science Degree College,**  
Belagavi, Karnataka Graduated: 2023 | CGPA: 7.81 / 10.0
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## TECHNICAL SKILLS:

**Languages:** Python, SQL, Bash (Shell Scripting), Java, JavaScript, C++.

**Web & Frameworks:** Next.js 14, React, Tailwind CSS, Flask.

**Big Data & Data Engineering:** Apache Spark (PySpark), Apache Kafka, Hadoop, MongoDB, MySQL, PostgreSQL.

**DevOps & Cloud:** AWS (EC2, S3), Docker, Git, Google Cloud (TTS), Clerk Auth, Stripe API.

**Data Analysis & Visualization:** Pandas, NumPy, Tableau, Power BI, Matplotlib, Seaborn, Jupyter Notebooks, Apache Zeppelin.

**Machine Learning:** Scikit-learn, TensorFlow, PyTorch, OpenCV.

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## EXPERIENCE

1. **Data Analytics Intern | Leosias Technologies, Belagavi | Nov 2024 – Apr 2025**
    - Engineered data pipelines and ETL workflows using Python (Pandas, NumPy) and SQL.
    - Developed interactive Power BI/Tableau dashboards, improving decision-making efficiency.
  2. **Data Analytics Trainee | MedTourEasy | Sept 2025 – Oct 2025**
    - Executed real-world analytics projects focusing on predictive modeling and chemical component analysis.
    - Applied advanced data wrangling and visualization techniques to solve complex data problems.
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## PROJECTS

1. **AI-Powered Document Assistant (RAG) | Python, LangChain, Docker, AWS EC2, Git**
  - Developed a Generative AI application using **LangChain** and **OpenAI** to enable natural language querying of unstructured PDF data.
  - Containerized** the application using **Docker** to ensure consistent runtime environments and deployed the **Streamlit** frontend on **AWS EC2** for scalable access.
  - Managed source code and version control using **Git**, optimizing the retrieval workflow to reduce manual lookup time by **40%**.
2. **Customer Churn Prediction with Explainable AI | Python, Scikit-Learn, XGBoost, CI/CD**
  - Built a Machine Learning model (**XGBoost**) to predict customer attrition, achieving **88% recall** on high-risk accounts.
  - Deployed a **Streamlit** dashboard to visualize retention metrics, utilizing **Git** for iterative development and version tracking.
  - Automated data preprocessing pipelines using **Pandas** scripts to streamline model retraining workflows.

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### **3. Interactive Language Learning SaaS | Next.js 14, PostgreSQL, Google Cloud, Docker**

- Architected a scalable relational database schema using **Neon PostgreSQL** and **Drizzle ORM** to manage complex data relationships, optimizing query performance for tracking user progress.
- Integrated Google Cloud **Text-to-Speech API** for AI-driven features and Clerk for secure authentication, utilizing **Next.js 14** Server Actions to enhance application performance.
- Developed an analytics-driven Admin Dashboard to monitor user engagement metrics and deployed the application with Stripe payment integration, ensuring production-grade availability.

### **4. Voice-Based Messaging System for Visually Impaired | Python, PostgreSQL, Speech APIs**

- Engineered a Python-based accessible communication platform using **PostgreSQL** (Neon Cloud) to securely manage user sessions and persistent message storage.
- Integrated real-time **Speech Recognition** and **Text-to-Speech** pipelines to convert unstructured audio streams into structured text data for automated email dispatching.
- Implemented WCAG-compliant accessibility standards (ARIA, Keyboard Navigation) and optimized backend logic for low-latency audio processing and response.

### **5. CityLife Insurance Dashboard Project | Power BI, DAX, Excel, Data Modeling**

- Designed a comprehensive Business Intelligence architecture featuring **360-degree analysis** dashboards to visualize complex insurance operations and customer acquisition metrics.
- Engineered a specialized **Data Validation Dashboard** to automate anomaly detection and consistency checks, ensuring high-fidelity data integrity across all reporting modules.
- Developed interactive **Sales Performance** and **Visual Analytics** dashboards using **Power BI**, translating raw transactional data into actionable KPIs and revenue trend analysis for executive decision-making.

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## **CERTIFICATION**

- Google Data Analytics Professional Certificate - Coursera, 2025
- AWS - Solutions Architecture Job Simulation – Forage, 2025
- Tata - GenAI Powered Data Analytics Job Simulation – Forage 2025
- Deloitte Data Analytics Virtual Job Simulation - Forage, 2025
- Deloitte Technology Consulting Virtual Job Simulation - Forage, 2025
- Internshala Web Development Training -2024