# VIKESH MEHTA

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## PROFESSIONAL SUMMARY

Computer Science undergraduate specialized in full-stack (MERN, Flask/Django) and AI-driven solutions. Architected and launched scalable applications serving $350+$ users; optimized performance metrics by 50%; led a team of 3; presented research to $200+$ industry professionals. Seeking to apply technical acumen and collaborative problem-solving to deliver impactful software.

## SKILLS

**Languages:** C, C++, Java, Python, SQL
**Frontend:** HTML5, CSS3, JavaScript, React.js, Tailwind CSS, Framer Motion
**Backend:** Node.js, Express.js, Django, Flask, RESTful APIs
**Databases:** MongoDB, PostgreSQL, MySQL
**AI/ML:** Scikit-learn, TensorFlow, OpenCV, Pandas, Generative AI (Google Gemini, IBM WatsonX)
**Cloud & Tools:** AWS (EC2, S3, Lambda), Git/GitHub, Passport.js, Docker (basic), CI/CD (GitHub Actions)
**Other:** Agile/Scrum, Unit Testing (Jest, pytest), WebSockets, Chrome DevTools

## PROJECT EXPERIENCE

**Generative AI Storyteller** *Apr 2025–May 2025*
*Flask, Google Gemini API, HTML/CSS/JS*

- Engineered a Flask application integrating Google's Gemini API (gemini-1.5-flash) to generate story continuations—serving 100 DAU in beta.
- Designed `/generate_story` endpoint with error handling (API keys, missing prompts, timeouts), achieving 99.5% uptime.
- Built a responsive UI; improved page load time by 30% through code splitting and lazy loading noncritical scripts.
- Implemented CI/CD workflows (GitHub Actions) with pytest unit tests, reducing deployment cycle by 40%.

**Personal Expense Tracker App** *Feb 2025–Apr 2025*
*React.js, Node.js, Express.js, MongoDB, Framer Motion*

- Devised a secure MERN-stack tracker, onboarding 250 users within first month.
- Implemented budget-management features with dynamic Chart.js visualizations and alert notifications—enhancing adherence by 25%.
- Leveraged WebSockets for real-time notifications at 80% budget usage, decreasing overruns by 15%.
- Refined MongoDB schema and indexing strategy—halved query latency (200ms to 100ms).

**GitHub MERN Profile Platform** *May 2024–Jul 2024*
*MERN, Passport.js, GitHub OAuth*

- Spearheaded development of a MERN platform with GitHub OAuth (Passport.js), achieving a 98% login success rate.
- Created features for liking, cloning, and viewing repositories—garnered $150+$ active users in two weeks.
- Engineered tech-stack extraction by parsing `package.json`/`requirements.txt` for $1,000+$ repos.
- Composed API documentation and onboarding guide—reduced developer ramp-up time by 60%.

## EDUCATION

| | |
|---|---|
| **B.Tech, Computer Science & Engineering** | *Sep 2022–Expected Sep 2026* |
| VIT Bhopal University, Bhopal, MP | **CGPA: 8.55/10** |
| **Senior Secondary (12th, Science)** | *Apr 2021–Mar 2022* |
| Central Academy School, Udaipur, Rajasthan | **73%** |
| **Secondary (10th)** | *Apr 2019–Mar 2020* |
| Central Academy School, Udaipur, Rajasthan | **83%** |

## AWARDS & ACHIEVEMENTS

- Co-authored and presented "Viksit Bharat 2024," selected from $168K+$ applicants; conveyed findings to $200+$ professionals.
- Finalist—Smart India Hackathon 2024 (AI scheduling module achieved a 30% time reduction; top 5 nationally among $200+$ teams).
- Round 2—AI-Xplain Hackathon 2024 (real-time AI-explanation prototype; ranked top 10 of $500+$ submissions).

## CERTIFICATIONS

- NPTEL Marketing Analyst *May 2025*
- Full Stack Developer—MERN (SMARTBRIDGE) *April 2025*
- Generative AI Using IBM WatsonX *April 2025*
- NPTEL Cloud Computing *April 2024*
- Bits & Bytes of Computer Networking—Google *Dec 2023*
- Python & Django Development *Dec 2023*

## ADDITIONAL HIGHLIGHTS

- **Hackathons & Competitions:** Smart India Hackathon 2024 (Finalist), AI-Xplain Hackathon 2024 (Round 2), Microsoft AI Skills Challenge 2024 (Certified).
- **Research & Presentations:** Presented at National Conference "VIVIBHA'24" (SGT University, Nov 2024); Industry visits to HAL, BMTC Bengaluru Darshini, PreProd Corp (Sep 2024).
- **Open-Source Contributions:** Contributed to React UI libraries ($50+$ stars, 20 forks); maintained Django-based non-profit portal (5% monthly user growth).

## RELEVANT COURSEWORK

Data Structures & Algorithms, Operating Systems, Database Systems, Web Development, Machine Learning, Cloud Computing