

# AKASH KUMAR PANDA

## FULL STACK WEB DEVELOPER

Jaipatna, Kalahandi, Odisha | +91 6372714309 | akashpanda6543@gmail.com | <https://www.linkedin.com/in/akash-kumar-panda1015/>



### Professional Summary

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Versatile and results-driven Computer Science graduate skilled in Full Stack Web Development, Cloud Computing (AWS), and AI/ML applications. Proven experience in building scalable web applications, integrating secure cloud infrastructures, and implementing deep learning models for real-world NLP problems. Strong foundation in React.js, Node.js, Python, and modern DevOps practices. Successfully executed research on Aspect-Based Sentiment Analysis using GAN-BERT, achieving 96.9% accuracy with semi-supervised learning. Adept at applying SEO and digital marketing strategies using Google Ads, GTM, and Google Analytics to boost online visibility and performance. Passionate about solving complex problems through technology and continuously learning cutting-edge tools and frameworks.

### Experience

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#### Intelligent AWS Application

2023 – 2024

##### Full Stack Developer

- Developed user authentication, responsive designs, and seamless AWS data management solutions.
- Analyzed business data to uncover growth opportunities and improve decision-making.
- Created detailed reports to support faster and more informed strategic decisions.
- Led numerous ad campaigns, significantly enhancing brand visibility and driving profitability.
- Improved SEO strategies, boosting organic traffic through optimized keywords and effective backlinking.

### Projects

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#### Note – Taking App

- Built a note-taking app with React for an interactive UI and AWS for secure storage and data backup.
- Implemented user profile management for creating, updating, and deleting notes seamlessly.
- Integrated Node.js for a scalable back-end and AWS for efficient data handling.
- Designed a responsive, modern interface with intuitive navigation and real-time updates for an enhanced user experience.

#### KEEPER APP

- Developed Keeper App, a document management solution that enhanced note-taking efficiency and reduced retrieval time through advanced tagging and categorization.
- Designed a cost-effective serverless AWS infrastructure, achieving 30% cost savings while scaling to support over 1,000 users seamlessly.
- Implemented document conversion capabilities (PDF, Word, Excel), improving format compatibility and reducing document-related issues significantly.

## Aspect-Based Sentiment Analysis using GAN-BERT Model

- Developed a deep learning model integrating BERT and GANs to perform Aspect-Based Sentiment Analysis (ABSA) on restaurant reviews.
- Achieved 96.9% accuracy, surpassing baseline BERT (90%) and GAN (91%) models.
- Utilized semi-supervised learning, leveraging both labeled and unlabeled data for robust sentiment classification across five aspects.
- Technologies: Python, TensorFlow, Hugging Face Transformers, Pandas, NumPy, Scikit-learn, Matplotlib.

## Education

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Government College of Engineering, Kalahandi

2021 - 2025

Bachelor of Technology in Computer Science and Engineering

## Skills & abilities

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- **Programming & Development:** Python, HTML, CSS, JavaScript, React.js, Node.js
- **AI & Data Science:** Machine Learning(Basics).Generative AI
- **Cloud & Infrastructure:** AWS
- **Digital Marketing:** Google Ads, Meta Ads, Google Tag Manager (GTM), Google Analytics, SEO (On-page & Off-page)
- **Tools & Platforms:** GitHub

## Certification

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- Full Stack Developer (Web) with AWSAIAPP
- Facebook Business Manager
- Google Tag Manager Fundamentals
- Google Analytics for Beginners
- SEO Strategies